

Client: J.H. Baxter
Logged By: Derek McGregor
Driller: Cascade Drilling
Drilling Method: HSA
Sampling Method: Hydropunch

Casing Type: n/a
Slot Size: n/a
Gravel Pack: n/a

Location: Arlington, WA
Date Drilled: December 14, 2009

Borehole Diameter: 6 inch Borehole Depth: 80 feet Well Diameter: n/a Well Depth: n/a Casing Stickup: n/a PREMIER PAYERMADITAL SERVICES INC

PAGE 1 of 2

Project Name: J.H. Baxter - Supplemental Groundwater Project No: 209066.00 Task 2

Slot Size: n/a Casing Sticku Gravel Pack: n/a Water Table:							et bl		Supplemental Groundwater Project No: 209066.00 Task 2 eet msl) Northing (feet) Easting (feet)		
	В	oring	SB-60	6			Eleva	tion (fee		Northing (feet) n/a	Easting (feet) n/a
Boring Completion	Water Level	Moisture Content	Groundwater Sample Interval	Blow Counts	Depth (feet)	Recovery S	Intervat aid	Soil Type		LITHOLOGY / [DESCRIPTION
Bentonite Chips		moist	- %	10,12,14	2—————————————————————————————————————			S.W.	SAND A poorly se		subangular to subrounded,
		moist		14,20,27	26————————————————————————————————————			SP (SW	SAND: I		se, subangular, well sorted se, subangular, moderate
	∇	wet		50+	40— 42— 44—			SP	SAND: I	brown, fine to medium	sand, well sorted

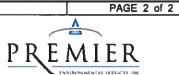
Client: J.H. Baxter Logged By: Derek McGregor Driller: Cascade Drilling Drilling Method: HSA

Sampling Method: Hydropunch

Casing Type: n/a Slot Size: n/a Gravel Pack: n/a Location: Arlington, WA

Date Drilled: December 14, 2009 Borehole Diameter: 6 inch Borehole Depth: 80 feet Well Diameter: n/a Well Depth: n/a

Casing Stickup: n/a
Water Table: ~40 feet bls



Project Name: J.H. Baxter -Supplemental Groundwater Project No: 209066.00 Task 2

Bravel Pack:	n/a			Water T	able: ~	-40 fe					09066.00 Task 2
	Bori	ng S	B-66 (cont.)			Eleva	ation (fe ~140	•	Northing (feet) n/a	Easting (feet) n/a
Boring Completion	Water Level		Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Recovery	Interval	Soll Type		LITHOLOGY / DE	SCRIPTION
		wet	X	10,19,24	46—————————————————————————————————————			SP SM.	SAND: b	prown, fine to medium sail prown, very fine to fine; Li t feet Hydropunch, wait 4	ttle Silt, well sorted
, at		wet		8,23,27	52— 54— 56—]			SP	SAND: b	prown, very fine to mediu	m, well sorted
Bentonite Chips:			\times		60—62—64—				@ 60-6 ⁻ GW-66-	1 feet Hydropunch, wait 4 2	0 minutes, collected
		wet	><	7,21,27	66————————————————————————————————————			.sw	@ 68.5-	orown, fine to coarse; Tra 69.5 feet Hydropunch, w could not get to 70 feet bo	ait 30 minutes, heaving
		wet	>	8,16,23	76————————————————————————————————————			SP	@ 80-8: GW-66- Boring to	orown, fine to medium, wait 4 4 erminated at 80 feet and atonite chips and capped	5 minutes, collected

Client: J.H. Baxter Logged By: Derek McGregor Driller: Cascade Drilling 'Drilling Method: HSA

Sampling Method: Hydropunch

Casing Type: n/a Slot Size: n/a Gravel Pack: n/a Location: Arlington, WA
Date Drilled: December 15, 2009
Borehole Diameter: 6 inch

Borehole Depth: 80 feet Well Diameter: n/a Well Depth: n/a Casing Stickup: n/a Water Table: ~42 feet bl



Project Name: J.H. Baxter -Supplemental Groundwater Project No: 209066.00 Task 2

Siot Size: ri/a Gravel Pack:				Water T	able: ~			S			209066.00 Task 2
	В	oring	SB-67	7			Eleva	tion (fe ~140		Northing (feet) n/a	Easting (feet) n/a
Boring Completion	Water Level		Groundwater Sample Interval	Blow Counts	Depth (feet)	Recovery e	Interval	Soll Type		LITHOLOGY / D	
Cement Plug		moist		9,10,12	2—————————————————————————————————————			Ø,		ND GRAVEL: brown, fin lar to subrounded, poor	e to coarse; Little Gravel, ly sorted
		moist		16,18,20	10 -						
		moist		15,20,24	16—————————————————————————————————————						
entonite Chips		moist		5,14,19	20			SP	SAND: t	prown, very fine to coars	e, subangular, well sorted
B.		moist		19,20,23	24 26 28						
		moist		15,22,22	30—32—						
		moist		13,18,22	34————————————————————————————————————			sw	1	orown, subangular, very subangular, well sorted	fine to coarse; Trace
	⊽	wet		18,23,25	40—————————————————————————————————————			ML.	SILT: br plasticity		Sand, very fine to fine, low

Client: J.H. Baxter Location: Arlington, WA PAGE 2 of 2 Logged By: Derek McGregor Date Drilled: December 15, 2009 Driller: Cascade Drilling Borehole Diameter: 6 inch Drilling Method: HSA Borehole Depth: 80 feet Sampling Method: Hydropunch Well Diameter: n/a Project Name: J.H. Baxter -Casing Type: n/a Well Depth: n/a Slot Size: n/a Casing Stickup: n/a Supplemental Groundwater Water Table: ~42 feet bis Project No: 209066.00 Task 2 Gravel Pack: n/a Elevation (feet msl) Northing (feet) Easting (feet) Boring SB-67 (cont.) ~140 n/a n/a Vapor Concentration (ppm) Boring Counts Sample Depth (feet) Completion Moisture Content Soil Type Water Recovery LITHOLOGY / DESCRIPTION Interval Backfill Level Blow 10,16,20 ML SILT: brown; Some Sand, very fine to fine, well sorted wet 48-50-@ 50-51 feet Hydropunch, wait 84 minutes, only about 100 ml of water, go to 55 feet and try again, screen had 52fine sand and silt on it 54-@ 55-56 feet wait 47 minutes, collected GW-67-1 56 58-60-SP 5,8,7 wet SAND: brown, very fine to fine, well sorted @ 62-63 feet Hydropunch, wait 45 minutes, collected 62-GW-67-2 wet 13,19,30 68 70-@ 70-71 feet Hydropunch, wait 30 minutes, collected GW-67-3 72. SW 4,10,24 GRAVEL; brown, fine to medium, subrounded; Some wet Sand, medium to coarse, subangular, well sorted 78-@ 79-80 feet Hydropunch, wait 47 minutes, collected 14 GW-66-4, collected duplicate 1 at this depth 80 Boring terminated at 80 feet and backfilled with bentonite chips and capped with cement

Client: J.H. Baxter Location: Arlington, WA PAGE 1 of 2 Logged By: Derek McGregor Date Drilled: December 15 & 16, 2009 Driller: Cascade Drilling Borehole Diameter: 6 inch PREMIER Drilling Method: HSA Borehole Depth: 75 feet Sampling Method: Hydropunch Well Diameter: n/a Casing Type: n/a Well Depth: n/a Project Name: J.H. Baxter -**Supplemental Groundwater** Slot Size: n/a Casing Stickup: n/a Water Table: ~38 feet bls Project No: 209066.00 Task 2 Gravel Pack: n/a Elevation (feet msl) Northing (feet) Easting (feet) **Boring SB-68** ~140 n/a n/a Boring Groundwater Sample Interval Sample **Blow Counts** Depth (feet) Completion Type Water LITHOLOGY / DESCRIPTION Recovery Backfill Interval Level Soll SW' SAND AND GRAVEL: brown; Trace Cobbles, subangular **Cement Plug** to subrounded, moderately sorted 14 1 moist 12,18,22 44 27, 55+ same as above, except some Cobbles moist 12-. 4. moist 15,17,20 16-18 Bentonite Chips 20 SP 10,11,13 SAND: brown, fine to coarse; Trace Gravel, subangular, moist well sorted 22moist 15,19,24 26-28moist 13,16,24 32moist 15,19,20 36- ∇ 38wet 19,27,34 SAND AND GRAVEL: brown, medium to very coarse Sand, fine to medium Gravel, subangular to subrounded, 42moderately sorted 1'4

Client: J.H. Baxter Location: Arlington, WA PAGE 2 of 2 Logged By: Derek McGregor Date Drilled: December 15 & 16, 2009 Driller: Cascade Drilling Borehole Diameter: 6 inch PREMIER Drilling Method: YSA Borehole Depth: 75 feet Sampling Method: Hydropunch Well Diameter: n/a Project Name: J.H. Baxter -Casing Type: n/a Well Depth: n/a Supplemental Groundwater Slot Size: n/a Casing Stickup: n/a Project No: 209066.00 Task 2 Gravel Pack: n/a Water Table: ~38 feet bls Elevation (feet msl) Northing (feet) Easting (feet) **Boring SB-68 (cont.)** ~140 n/a n/a Borina Vapor Concentration (ppm) Sample **3low Counts** Depth (feet) Completion Moisture Туре Water Recovery LITHOLOGY / DESCRIPTION Interval Level Soll SW @ 45 feet Hydropunch, wait 35 minutes, collected GW-68-1 50-ML SILT: brown; Trace Clay, low plasticity; Trace Sand, very 13,17,17 wet fine, soft 52-@ 55-56 feet Hydropunch, wait 52 minutes, collected 56-GW-68-2 58-SP SAND: brown, fine to medium, subangular, well sorted wet 50+ 62-@ 65 feet Hydropunch, wait 30 minutes, collected GW-68-3 66-68wet 50+ @ 75 feet Hydropunch, wait 40 minutes, collected GW-68-4 Boring terminated at 75 feet and backfilled with bentonite chips and capped with cement

Location: Arlington, WA Client: J.H. Baxter PAGE 1 of 2 Date Drilled: December 16 & 17, 2009 Logged By: Derek McGregor Driller: Cascade Drilling Borehole Diameter: 6 inch PREMIER Drilling Method: HSA Borehole Depth: 75 feet Sampling Method: Hydropunch Well Diameter: n/a Project Name: J.H. Baxter -Casing Type: n/a Well Depth: n/a **Supplemental Groundwater** Slot Size: n/a Casing Stickup: n/a Gravel Pack: n/a Water Table: ~37 feet bls Project No: 209066.00 Task 2 Elevation (feet msl) Northing (feet) Easting (feet) **Boring SB-69** ~140 n/a n/a Boring Groundwater Sample Interval **Blow Counts** Sample Depth (feet) Completion Moisture Content Soil Type Water Recovery LITHOLOGY / DESCRIPTION Interval Backfill Level SW SAND AND GRAVEL: brown, fine to coarse Sand; Trace **Cement Plug** Gravel, fine to coarse, subangular to subrounded, moderately sorted moist 7,10,11 moist 18,20,21 12. 4 9 4 moist 15,17,26 same as above, except little Gravel 16 18 . Chips 20 trace Gravel, coarse, subrounded moist 13,20,20 Bentonite 22-4 24 SP moist 17,22,26 SAND: brown, fine to coarse, subangular, well sorted 26 28-30same as above except little Gravel, fine to coarse, 17,24,32 moist subrounded 32-34 moist 13,21,27 **SW** SAND: brown, fine to coarse, subangular; Some Gravel, 36 ∇ fine to coarse, subrounded, moderately sorted West. 38-4. 50+ SP. wet SAND: brown, fine to coarse; Medium Cobble blocked end of split spoon 42

Client: J.H. Baxter Location: Arlington, WA PAGE 2 of 2 Logged By: Derek McGregor Date Drilled: December 16 & 17, 2009 Driller: Cascade Drilling Borehole Diameter: 6 inch Drilling Method: HSA Borehole Depth: 75 feet Sampling Method: Hydropunch Well Diameter: n/a Casing Type: n/a Well Depth: n/a Project Name: J.H. Baxter -Slot Size: n/a **Supplemental Groundwater** Casing Stickup: n/a Project No: 209066.00 Task 2 Gravel Pack: n/a Water Table: ~37 feet bls Elevation (feet msl) Northing (feet) Easting (feet) **Boring SB-69 (cont.)** ~140 n/a n/a Vapor Concentration (ppm) Boring **Blow Counts** Sample Depth (feet) Completion Moisture Content Type Water **Recovery** LITHOLOGY / DESCRIPTION Interval Backfill Soll . Level @ 45-46 feet Hydropunch, left overnight 900 minutes, collected GW-69-1 46 48-50-19,50+ SP SAND: brown, fine to medium, subangular, well sorted wet 52-54 @ 55-56 feet Hydropunch, wait 62 minutes, collected 56 GW-69-2 58 wet 18,21,25 SW4 GRAVEL: brown, fine to medium, subangular; Some Sand, fine to coarse, subangular, well sorted 62-@ 65-66 feet Hydropunch, wait 35 minutes, collected GW-69-3 68-4 @70-71.5 no recovery 3,5,7 72-@ 75-76 feet Hydropunch, wait 35 minutes, collected GW-69-4 Boring terminated at 75 feet and backfilled with bentonite chips and capped with cement

Client: J.H. Baxter Logged By: Derek McGregor Driller: Cascade Drilling Drilling Method: HSA

Sampling Method: Hydropunch Casing Type: n/a

Slot Size: n/a

Location: Arlington, WA Date Drilled: December 17, 2009 Borehole Diameter: 6 inch Borehole Depth: 75 feet Well Diameter: n/a

Well Depth: n/a Casino Stickup: n/a



Project Name: J.H. Baxter -Supplemental Groundwater

Slot Size: n/a Gravel Pack:	Casing : Water T	Stickup: able: ~	: n/a :38 fe	et bl	s						
JIGYOIT GOIL		oring	SB-70		<u></u>	00.0		ation (fe ~140		•	
Boring Completion	Water Level	Moisture	Groundwater Sample Interval	Blow Counts	Depth (feet)	Recovery	Interval	Soll Type		LITHOLOGY / D	ESCRIPTION
Cement Plug		moist	3	7,13,14	2—————————————————————————————————————			'S'		prown, fine to coarse, sui parse, subrounded	bangular; Little Gravel,
		moist		20,21,22	10—————————————————————————————————————				same as	above, trace Cobbles	
		moist		14,18,19	16—				50		
tonite Chips	:	moist		35,50+	20				tip block	ed by cobbles	
Ber		moist		32,50+	24————————————————————————————————————			1			
		moist		21,32,38	30————————————————————————————————————				moderal	ely sorted	
	立	moist		50+	34————————————————————————————————————			<u>.</u>	little Cot	obles, rounded	
		wet		16,19,20	40— 42— 44—			ML	SILT: br	own; Little Clay, low plas	sticity, moist, stiff

Client: J.H. Baxter Location: Arlington, WA PAGE 2 of 2 Logged By: Derek McGregor Date Drilled: December 17, 2009 Driller: Cascade Drilling Borehole Diameter: 6 inch Drilling Method: HSA Borehole Depth: 75 feet Sampling Method: Hydropunch Well Diameter: n/a Project Name: J.H. Baxter -Well Depth: n/a Casing Type: n/a Slot Size: n/a Casing Stickup: n/a Supplemental Groundwater Project No: 209066.00 Task 2 Water Table: ~38 feet bls Gravel Pack: n/a Elevation (feet msl) Northing (feet) Easting (feet) **Boring SB-70 (cont.)** ~140 n/a n/a Vapor Concentration) (ppm) Boring Sample Counts Depth (feet) Completion Moisture Content Type Water **Recovery** LITHOLOGY / DESCRIPTION Interval Backfill Level Sol Blow SILT: brown; Trace Clay, low plasticity, moist, stiff @ 45-46 feet Hydropunch, wait 35 minutes, collected 46 GW-70-1 48 50 SP 18.17.22 SAND: brown, very fine to fine, subangular, well sorted wet 52-54 @ 55-56 feet Hydropunch, wait 52 minutes, collected GW-70-2 56 58 SW wet 5,7,6 SAND: brown, fine to very coarse, subangular; Trace Gravel, fine, well sorted 62 20 @ 65-66 feet Hydropunch, wait 90 minutes, collected GW-70-3 66 68 70 wet 3,7,10 SP SAND: brown, very fine to fine, subangular, well sorted 72 @ 75-76 feet Hydropunch, wait 40 minutes, collected 74 GW-70-4 Boring terminated at 75 feet and backfilled with bentonite chips and capped with cement

Client: J.H. Baxter Location: Arlington, WA PAGE 1 of 2 Date Drilled: December 17 & 19, 2009 Logged By: Derek McGregor Driller: Cascade Drilling Borehole Diameter: 6 inch PREMIER Drilling Method: HSA Borehole Depth: 85 feet Sampling Method: Hydropunch Well Diameter: n/a Project Name: J.H. Baxter -Casing Type: n/a Well Depth: n/a **Supplemental Groundwater** Slot Size: n/a Casing Stickup: n/a Water Table: ~42 feet bls Project No: 209066.00 Task 2 Gravel Pack: n/a Elevation (feet msl) Northing (feet) Easting (feet) **Boring SB-71** ~140 n/a n/a **Boring** Groundwater Sample Interval **Blow Counts** Sample Depth (feet) Completion Moisture Content Soil Type Water Recovery Interval LITHOLOGY / DESCRIPTION Level \$W SAND: brown, fine to coarse, subangular, moderately **Cement Plug** sorted; Trace Gravel, fine to medium, rounded 10,12,13 moist moist 8,13,15 same as above, trace Cobbles moist 16,18,21 18 1 **Bentonite Chips** 20no cobbles moist 14,17,17 22-24 moist 14,20,21 28 moist 15,22,24 SILT: brown; Little Clay, low plasticity, medium stiff 32-34 moist 17,20,23 SP SAND: brown, very fine to fine, subangular, well sorted 36 38. very moist 13,15,21 ∇ 42Client: J.H. Baxter Location: Arlington, WA Logged By: Derek McGregor Date Drilled: December 17 & 19, 2009 Driller: Cascade Drilling Borehole Diameter: 6 inch Drilling Method: HSA Borehole Depth: 85 feet Sampling Method: Hydropunch Well Diameter: n/a Project Name: J.H. Baxter -Casing Type: n/a Well Depth: n/a Supplemental Groundwater Slot Size: n/a Casing Stickup: n/a Project No: 209066.00 Task 2 Gravel Pack: n/a Water Table: ~42 feet bls Elevation (feet msl) Northing (feet) Boring SB-71 (cont.) ~140 n/a Vapor Concentration (ppm) Boring Counts Sample Depth (feet) Completion Moisture Content Type Water Recovery LITHOLOGY / DESCRIPTION Interval Backfill Level Sol SP SAND: brown, very fine to fine, subangular, well sorted very 7,11,15 48 50wet 9,13,18 SW SAND: brown, fine to very coarse; Trace Gravel, fine, subangular, well sorted 52-@ 55-56 feet Hydropunch, first wait 30-40 minutes, second 25-45 minutes (sample twice to get enough water), collected GW-71-1 58wet 19,50+ Bentonite Chips 62-@ 65-66 feet Hydropunch, wait 45 minutes, collected GW-71-2 68-70-SP SAND: brown, very fine to medium, subangular, well wet sorted 72-@ 75-76 feet Hydropunch, wait 45 minutes, collected GW-71-3 80-3,5,10 wet

82-

PAGE 2 of 2

Easting (feet)

n/a

@ 85-86 feet Hydropunch, wait 45 minutes, collected

Boring terminated at 85 feet and backfilled with bentonite chips and capped with cement

GW-71-4

Client: J.H. Baxter Location: Arlington, WA PAGE 1 of 2 Logged By: Derek McGregor Date Drilled: December 22 & 23 2009 Driller: Cascade Drilling Borehole Diameter: 6 inch PREMIER Drilling Method: HSA Borehole Depth: 85 feet Sampling Method: Hydropunch Well Diameter: n/a Well Depth: n/a Project Name: J.H. Baxter -Casing Type: n/a **Supplemental Groundwater** Slot Size: n/a Casing Stickup: n/a Water Table: ~42 feet bls Project No: 209066.00 Task 2 Gravel Pack: n/a Elevation (feet msl) Northing (feet) Easting (feet) **Boring SB-72** ~140 n/a n/a Groundwater Sample Interval Boring **Blow Counts** Sample Depth (feet) Completion Moisture Content Soil Type Water Recovery LITHOLOGY / DESCRIPTION Backfill Interval Level SW SAND: brown, fine to coarse, subangular, Some Gravel, **Cement Plug** fine to coarse, subrounded, poorly sorted 114 4 moist 11,14,18 200 moist 15,16,20 same as above, trace Cobbles silt layer in middle moist 8,15,19 V 18 **Bentonite Chips** 20 Sand: brown, fine to coarse, subangular, soft, non moist 10,18,19 plasticity; Trace Gravel, fine to medium, subrounded; 22-Trace Cobbles, poorly sorted 24 SP moist 17,21,23 SAND: brown, fine to medium, subangular 28-30moist 17,26,30 32moist 14,18,25 very fine to fine Sand 36-38very moist SAND AND SILT: brown, very fine to fine; Silt in middle of 12,13,18 ∇ sample; Trace Clay, medium stiff, very low plasticity 42Client: J.H. Baxter
Logged By: Derek McGregor
Driller: Cascade Drilling
Drilling Method: HSA
Sampling Method: Hydropunch
Casing Type: n/a
Slot Size: n/a
Gravel Pack: n/a

Boring SB-72

Boring Completion

Water
Level
Wet
Wet

Location: Arlington, WA

Date Drilled: December 22 & 23 2009

Borehole Diameter: 6 inch Borehole Depth: 85 feet Well Diameter: n/a Well Depth: n/a Casing Stickup: n/a Water Table: ~42 feet bls



Project Name: J.H. Baxter -Supplemental Groundwater Project No: 209066.00 Task 2

	Dani	ne e	D.72 /	noné i			Elev	ation (fe		Northing (feet)	Easting (feet)
	BOLI	ng S	B-72 (cont.)				~140		n/a	n/a
Boring ompletion	Water	ure	ration (r	unts	feet)	_	nple	ed/			
Backfill	Level		Vapor Concentration (ppm)	Blow Counts	Depth (feet)	Recovery	Interval	Soil Type	LITHOLOGY /		SCRIPTION
								SM-MU			
		wet		8,13,17	46-	100		SP	SAND: E	prown, very fine to fine, w	ell sorted
					_						
					48						
					50-						
		wet		10,15,15	30-		145				
					52—						
					_						
					54				@ FE FO	Foot Underground Lacres	nuomiaht (en to 47
			\geq		56			50.7		6 feet Hydropunch, leave of collected GW-72-1	overnight (up to 17
					_				110010),	001100100 077 72 7	
					58		4				
					60—						
sd		wet		7,10,16	00		'SW SAND AND GRAVEL: brown, fine	to medium,			
//// - //////				51 5431	62—				subroun	ided, moderately sorted	
<u>e</u> ////						-		_	300		
i i					64				0 05 0		decouple with OF wisches to Heater
Bed W			> <		66—			41	@ 65-66 GW-72-	6 feet Hydropunch, wait 3	o minutes, collected
			2		_			12 - 3	011 /2	-	
					68	-		4, 1			
			3		70				Li verno		
		wet		50+	70			SP	SAND: b	prown, very fine to coarse	. subangular.
					72—				moderat	ely sorted	, carrier garant
					-		7				
			\sim		74					5 feet Hydropunch, wait 3	5 minutes, collected
					76—	-			GW-72-	-3	
					/0						
					78						
					257						
		wet		9,10,15	80-						
					82—	20,0		70	Taylor A Andrew A Andrew A		
		0						@ 85-86 feet Hydropunch, wait 30 minutes, col GW-72-4 Boring terminated at 85 feet and backfilled	O minutes collected		
					84				o minutes, collected		
	1		>		-				packfilled		
						7/2		with bentonite chips and capped with cement			

Client: J.H. Baxter Location: Arlington, WA Logged By: Derek McGregor Date Drilled: December 21 & 22 2009 Driller: Cascade Drilling Borehole Diameter: 6 inch Drilling Method: HSA Borehole Depth: 85 feet Sampling Method: Hydropunch Well Diameter: n/a Casing Type: n/a Well Depth: n/a Slot Size: n/a Casing Stickup: n/a Gravel Pack: n/a Water Table: ~42 feet bls Elevation (feet msl) Northing (feet) **Boring SB-73** ~140 n/a Boring Groundwater Sample Interval Sample **Blow Counts** Depth (feet) Soll Type Completion Moisture Content Water Recovery Interval Level SW. **Cement Plug** to subrounded; Trace Cobbles, poorly sorted 24 moist 10,13,21 moist 13,15,16 no Cobbles, moderately sorted 12 Y. ! moist 16,20,25 18 Chips 20 12,21,30 moist trace Gravel; subrounded, moderately sorted Bentonite 22-24 moist 19,20,25 26-14 SP moist 10,17,21 32-34 moist 15,19,23 36

38-

11,18,20

moist

 ∇



Project Name: J.H. Baxter -Supplemental Groundwater Project No: 209066.00 Task 2 Easting (feet) n/a LITHOLOGY / DESCRIPTION SAND AND GRAVEL: brown, fine to coarse, subangular SAND: fine to very coarse; Trace Gravel, fine, well sorted SAND: brown, very fine to fine, moderately sorted

Client: J.H. Baxter Location: Arlington, WA PAGE 2 of 2 Date Drilled: December 21 & 22 2009 Logged By: Derek McGregor Driller: Cascade Drilling Borehole Diameter: 6 inch Drilling Method: HSA Borehole Depth: 85 feet Sampling Method: Hydropunch Well Diameter: n/a Project Name: J.H. Baxter -Well Depth: n/a Casing Type: n/a Slot Size: n/a Casing Stickup: n/a Supplemental Groundwater Project No: 209066.00 Task 2 Water Table: ~42 feet bls Gravel Pack: n/a Elevation (feet msl) Northing (feet) Easting (feet) **Boring SB-73 (cont.)** ~140 n/a n/a Vapor Concentration (ppm) Boring Sample **Blow Counts** Depth (feet) Completion Moisture Content Water Recovery **LITHOLOGY / DESCRIPTION** Backfill Interval Level Soll SP SAND: brown, very fine to fine, moderately sorted wet 9,15,18 48-50-7,11,14 wet 52-@ 55-56 feet Hydropunch, wait 12 hours, collected 56-GW-73-1 58 Bentonite Chips 60-50+ wet well sorted 62-@ 65-66 feet Hydropunch, wait 35 minutes, collected GW-73-2 68-70wet 50+ 72-@ 75-76 feet Hydropunch, wait 20 minutes, collected 76 GW-73-3 78-80wet 50+ refusal 82-@ 85-86 feet Hydropunch, wait 35 minutes, collected GW-73-4 Boring terminated at 85 feet and backfilled with bentonite chips and capped with cement

Client: J.H. Baxter Location: Arlington, WA PAGE 1 of 2 Logged By: Derek McGregor Date Drilled: December 19 & 21, 2009 Borehole Diameter: 6 inch Driller: Cascade Drilling Drilling Method: HSA Borehole Depth: 85 feet Sampling Method: Hydropunch Well Diameter: n/a Project Name: J.H. Baxter -Casing Type: n/a Well Depth: n/a **Supplemental Groundwater** Slot Size: n/a Casing Stickup: n/a Project No: 209066.00 Task 2 Gravel Pack: n/a Water Table: ~42 feet bls Elevation (feet msl) Northing (feet) Easting (feet) **Boring SB-74** ~140 n/a n/a Boring Groundwater Sample Interval **Blow Counts** Sample Depth (feet) Completion Moisture Content Soll Type Water LITHOLOGY / DESCRIPTION Recovery Interval Level SW. SAND: brown, fine to coarse, subangular; Little Gravel, **Cement Plug** fine to coarse, subrounded 1 41 moist 11,11,13 10trace Cobbles, subrounded moist 13,12,11 12moist 15,17,18 18 Chips 20 SAND: fine to medium, subangular, well sorted; Trace 10 moist 18,20,26 Gravel, fine to medium, subrounded Bentonite 22-3 " 12" 24 moist 21,26,29 same as above, except one cobble in sample 26ÿ, 28 144 30-SM-ML moist 15,18,18 SAND: @first 0.6', brown, very fine to medium, subangular, well sorted; @last 0.3' Silt: Trace Clay, 32medium stiff, low plasticity moist SILT: brown; Trace Clay, medium stiff, low plasticity 11,16,19 38very moist SP 16,20,23 SAND: brown, very fine to fine, subangular, well sorted ∇ 42Client: J.H. Baxter Location: Arlington, WA PAGE 2 of 2 Logged By: Derek McGregor Date Drilled: December 19 & 21, 2009 Driller: Cascade Drilling Borehole Diameter: 6 inch Drilling Method: HSA Borehole Depth: 85 feet Sampling Method: Hydropunch Well Diameter: n/a Project Name: J.H. Baxter -Casing Type: n/a Well Depth: n/a Slot Size: n/a Casing Stickup: n/a Supplemental Groundwater Gravel Pack: n/a Water Table: ~42 feet bls Project No: 209066.00 Task 2 Elevation (feet msl) Northing (feet) Easting (feet) Boring SB-74 (cont.) -140n/a n/a Boring Vapor Concentration (ppm) Counts Sample Depth (feet) Completion Moisture Content Type Water Recovery LITHOLOGY / DESCRIPTION Interval Backfill Level Blow (Soll SP SAND: brown, very fine to fine, subangular, well sorted very moist 10,17,20 46 48-50very moist 21,50+ 52-@ 55-56 feet Hydropunch, 41 hours (duplicate sample from 14:30 PM 12-19 to 12-21), collected GW-74-1 and 56-GW-74-5 58-Bentonite Chips 60-SW wet 4,10,21 SAND AND GRAVEL: brown, subangular, very fine to medium, moderated to well sorted; Trace Gravel, fine to 1,2 62medium, subrounded, poorly sorted Ł @ 65-66 feet Hydropunch, wait 100 minutes, collected GW-74-2 68wet 9,13,20 SP SAND: brown, very fine to fine, subangular, well sorted 72-@ 75-76 feet Hydropunch, wait 30 minutes, collected GW-74-3 78-80wet 5.9.12 82-@ 85-86 feet Hydropunch, wait 30 minutes, collected GW-74-4 Boring terminated at 85 feet and backfilled with bentonite chips and capped with cement

Client: J.H. Baxter Logged By: Derek McGregor Driller: Cascade Drilling Drilling Method: HSA

Sampling Method: Hydropunch Casing Type: n/a

Slot Size: n/a Gravel Pack: n/a Location: Arlington, WA

Date Drilled: June 29 & 30, 2010 Borehole Diameter: 6 inch Borehole Depth: 100 feet

Well Diameter: n/a Well Depth: n/a Casing Stickup: n/a Water Table: n/a



Project Name: J.H. Baxter - Supplemental Groundwater Project No: 210129.00 Task 2

Slot Size: n/a Gravel Pack:	ack: n/a Water Table								Project No: 210129.00 Task 2		
		Borir	ng SB				Eleva	ation (fe ~140	et msl)	Northing (feet) n/a	Easting (feet)
Boring Completion	Water Level	Moisture	Groundwater Sample Interval	Blow Counts	Depth (feet)	Recovery	Interval	Soil Type			
		moist		4,8,12	52—			sw		prown, fine to medium, so ravel, fine, subrounded,	
		moist		6,10,15	56—		Cont.			:: SAND: brown, very fine same as 50'-51.5'	e, saturated, well sorted
			\geq		58— 60— -			12 g 1	collected	d GW-75-1	
		moist		6,7,8	62——			SP	SAND: b	prown, very fine to fine, s	subrounded, saturated,
hips				9,1,0	68— 70—				well sort	ed	
Bentonite C			<u>~</u>		72 <u> </u>				Collected	d GW-75-2	et.
		moist		8,10,15	76 <u> </u>				same as	above	
			\approx		80— 82—				collecte	d GW-75-3	
		moist		12,16,18	84			sw		prown, fine to medium, s ravel, fine, subrounded,	
					88— - 90—						
					92— 94—						

Client: J.H. Baxter Location: Arlington, WA PAGE 2 of 2 Logged By: Derek McGregor Date Drilled: June 29 & 30, 2010 Driller: Cascade Drilling Borehole Diameter: 6 inch Drilling Method: HSA Borehole Depth: 100 feet Sampling Method: Hydropunch Well Diameter: n/a Project Name: J.H. Baxter -Casing Type: n/a Well Depth: n/a Supplemental Groundwater Slot Size: n/a Casing Stickup: n/a Project No: 210129.00 Task 2 Water Table: n/a Gravel Pack: n/a Elevation (feet msl) Northing (feet) Easting (feet) **Boring SB-75 (cont.)** ~140 n/a n/a Boring Groundwater Sample Interval **Blow Counts** Sample Depth (feet) Completion Moisture Content Soil Type Water Recovery LITHOLOGY / DESCRIPTION Interval Backfill Level Bentonite Chips very moist SP SAND: brown, very fine to fine, subangular, saturated, 50+ 96well sorted 98-100collected GW-75-4 Boring terminated at 100 feet and backfilled with bentonite chips and capped with cement

Client: J.H. Baxter Logged By: Derek McGregor Driller: Cascade Drilling Drilling Method: HSA

Sampling Method: Hydropunch Casing Type: n/a Slot Size: n/a

Slot Size: n/a Gravel Pack: n/a Location: Arlington, WA

Date Drilled: June 30 & July 1, 2010

Borehole Diameter: 6 inch Borehole Depth: 100 feet Well Diameter: n/a Well Depth: n/a

Casing Stickup: n/a Water Table: n/a



PAGE 1 of 2

Project Name: J.H. Baxter - Supplemental Groundwater Project No: 210129.00 Task 2

	avel Pack: n/a Water Ta Boring SB-76							e: n/a Project No: 210129.00 Task 2			210129.00 Task 2	
	E	Boring	3 SB-7	' 6			Eleva	ation (fe ~140		Northing (feet)	Easting (feet)	
Boring Completion	Water Level		Groundwater Sample Interval	Blow Counts	Depth (feet)	Recovery 55	Interval	Soil Type		LITHOLOGY / DI		
8			Sam	ă	ă	Rec	Inte		See Bor	ing Log MW-31 for soil d	lescription from 0-50 ft bgs	
		moist		5,13,15	52—			SP	SAND: t well sort	prown, very fine to fine, s ed	ubangular, saturated,	
					54		- 1					
		moist		10,13,14	56—				same as	above		
					58—							
			\geq		60				collected GW-76-1			
		1			62—							
					64							
		moist			66—			sw	sorted; I	ast 0.4' - Trace Gravel, f	ubangular, saturated, well ine, subrounded,	
					68—				moderat	ely sorted		
e Chip			\times		70——			2 e 1	collecte	d GW-76-2		
tonit					72—]			
Ber					74			1.77				
		moist		12,18,20	76—			SP	SAND: I	prown, very fine to fine, s led	subangular, saturated,	
					78—							
			\geq		80				collecte	d GW-76-3		
					82—				3			
					84							
		moist		6,18,25	86			A Net	same as	s above		
					88							
			\geq		90—		_		collecte	d GW-76-4		
					92—							
					94—		11.					

Client: J.H. Baxter Location: Arlington, WA PAGE 2 of 2 Logged By: Derek McGregor Date Drilled: June 30 & July 1, 2010 Driller: Cascade Drilling Borehole Diameter: 6 inch PREMIER Drilling Method: HSA Borehole Depth: 100 feet Sampling Method: Hydropunch Well Diameter: n/a Project Name: J.H. Baxter -Casing Type: n/a Well Depth: n/a Slot Size: n/a Supplemental Groundwater Casing Stickup: n/a Project No: 210129.00 Task 2 Gravel Pack: n/a Water Table: n/a Elevation (feet msl) Northing (feet) Easting (feet) **Boring SB-76 (cont.)** ~140 n/a n/a Groundwater Sample Interval Boring **Blow Counts** Sample Depth (feet) Completion Moisture Content Soll Type Water Recovery LITHOLOGY / DESCRIPTION Interval Level Chips very moist SW First 0.8' - SAND: brown, fine to medium, subangular, 11,18,22 96 saturated, well sorted; Last 0.3' - GRAVEL: brown, fine to medium, subrounded, saturated, moderately sorted 98 100collected GW-76-5 Boring terminated at 100 feet and backfilled with bentonite chips and capped with cement bgs = below ground surface

Client: J.H. Baxter Location: Arlington, WA PAGE 1 of 1 Logged By: Derek McGregor Date Drilled: July 7, 2010 Driller: Cascade Drilling Borehole Diameter: 6 inch Drilling Method: HSA Borehole Depth: 100 feet Sampling Method: Hydropunch Well Diameter: n/a Casing Type: n/a Project Name: J.H. Baxter -Well Depth: n/a **Supplemental Groundwater** Slot Size: n/a Casing Stickup: n/a Gravel Pack: n/a Water Table: n/a Project No: 210129.00 Task 2 Elevation (feet msl) Northing (feet) Easting (feet) **Boring SB-78** ~140 n/a n/a Boring Groundwater Sample Interval Sample **Blow Counts** Depth (feet) Completion **Moisture** Content Soll Type Water Recovery LITHOLOGY / DESCRIPTION Interval Backfill Level See Boring Log L-3 for soil description from 0-60 ft bgs collected GW-78-1 'n 62-. . SAND: brown, medium to coarse, subangular, saturated, SW 3 moist 18.50+ well sorted; Trace Gravel, subrounded, moderately sorted 68-1 70 Ş. collected GW-78-2 72-40 SAND: brown, medium to coarse, subangular, saturated, 10,16,21 moist 76-Chips 4. well sorted; Last 0.3' - Gravel, very fine to fine, well sorted 78-Bentonite 80collected GW-78-3 82-4 SP SAND: brown, fine to medium, subangular, saturated, well moist 16,20,26 86sorted 88-90collected GW-78-4 92-GP (GRAVEL: gray, medium to coarse, subrounded, moist 14,24,30 96 saturated: matrix a mixture of medium to coarse Sand. 14.4 Silt and Clay, moderately sorted ** 98-100-Boring terminated at 100 feet and backfilled with bentonite chips and capped with cement

bgs = below ground surface

Client: J.H. Baxter Logged By: Derek McGregor Driller: Cascade Drilling

Drilling Method: HSA Sampling Method: Hydropunch

Casing Type: n/a

Location: Arlington, WA Date Drilled: July 9, 2010 Borehole Diameter: 6 inch Borehole Depth: 100 feet

Well Diameter: n/a Well Depth: n/a



Project Name: J.H. Baxter -

ravel Pack:				Water T	avie: N	ra .	Eleva	ation (fe	et msl)	Northing (feet)	210129.00 Task 2 Easting (feet)	
	В	oring	SB-79	•				~140		n/a	n/a	
Boring Completion	Water	ure	water	ounts	(feet)		nple	уре				
Backfill	Mois Ground Sample Blow C Blow C Sample Interval			LITHOLOGY / DI	ESCRIPTION							
	÷	moist		15,15,18	62—64—66—368—			sw	SAND: b sorted; 1	Frace Gravel, fine, suban	ubangular, saturated, well gular	
e Chips		moist	\times	10,13,15	70————————————————————————————————————			SP	e G	orown, fine to medium, su	ubrounded, saturated,	
Bentonite Chip		moist	moist	\times		80— 82— 84—				collected	d GW-79-3	
			\sim	13,14,19	88—				same as	above		
		moist		30+	92—		811		same as	s above; heave in auger		
		moist			98—				Some Si	ilt/Clay on bit, likely in aquerial in aqu		
					=					attended at 100 leet and temped		

Client: J.H. Baxter Logged By: Derek McGregor Driller: Cascade Drilling Drilling Method: HSA

Sampling Method: Hydropunch Casing Type: n/a

Location: Arlington, WA Date Drilled: July 12, 2010 Borehole Diameter: 6 inch Borehole Depth: 100 feet Well Diameter: n/a Well Depth: n/a

PREMIER ENVIRONMENTAL BERVICES, INC.

PAGE 1 of 3

Project Name: J.H. Baxter -

Casing Type: Slot Size: n/a	Casing S	Stickup:	: n/a		-		Suppleme	me: J.H. Baxter - ntal Groundwater 210129.00 Task 2			
ravel Pack:		oring	SB-80	Water T	avie: ~	30 16		ation (fe		Northing (feet)	Easting (feet)
Boring	, J	or mig				_	,	~140		n/a	n/a
Completion	Water Level	Moisture Content	Groundwater Sample Interval	Blow Counts	Depth (feet)	Recovery	Interval	Soll Type		LITHOLOGY / D	ESCRIPTION
		moist		12,18,22 27, 55+	2—4—6—3 8—10—12—14—14—14—14—14—14—14—14—14—14—14—14—14—			sw.	to subro	ND GRAVEL: brown; Tunded, moderately sort	
entonite Chips	moist moist		15,17,20 10,11,13	18—20—22—			S	SAND: t		race Gravel, subangular,	
Ö		moist		15,19,24	26—————————————————————————————————————						
		moist		13,16,24	32—34—						
	口			15,19,20	36—38—40—						
		wet 19,27,34 42 44			sw	Sand, fit	AND GRAVEL: brown, n ne to medium Gravel, s tely sorted	nedium to very coarse ubangular to subrounded,			

Client: J.H. Baxter Logged By: Derek McGregor Driller: Cascade Drilling Drilling Method: HSA

Sampling Method: Hydropunch Casing Type: n/a

Slot Size: n/a

Location: Arlington, WA Date Drilled: July 12, 2010 Borehole Diameter: 6 inch Borehole Depth: 100 feet Well Diameter: n/a

Well Depth: n/a Casing Stickup: n/a



Project Name: J.H. Baxter -Supplemental Groundwater

lot Size: n/a ravel Pack:				Casing Water T			et b				ntal Groundwater 210129.00 Task 2
	Bori	ng SI	B-80 (cont.)			Eleva	ation (fe ~140	et msl)	Northing (feet) n/a	Easting (feet) n/a
Boring Completion	Water Level	Moisture Content	Groundwater Sample Interval	Blow Counts	Blow Counts Depth (feet) Recovery Interval Soil Type		LITHOLOGY / DESCRIPTION				
-			, is		46— 48— 50—	œ	-	SW	Sand, fin moderate	ely sorted	bangular to subrounded,
		wet		13,17,17	52—— 54—— 56—— 58——			ML	fine, soft		sticity; Trace Sand, very
Bentonite Chips			>		62—64—66—68—				1	d GW-80-1	
			\times		70— 72— 74— 76— 78—				collected	d GW-80-2	
			\times		80— 82— 84—					1 GW-80-3	
		moist		7,12,12	86——			SW		erown, fine to coarse; Tra et, no odor, no sheen	ace Gravel and Trace Silt,

Client: J.H. Baxter Location: Arlington, WA PAGE 3 of 3 Date Drilled: July 12, 2010 Logged By: Derek McGregor Driller: Cascade Drilling Borehole Diameter: 6 inch PREMIER Drilling Method: HSA Borehole Depth: 100 feet Sampling Method: Hydropunch Well Diameter: n/a Project Name: J.H. Baxter -Casing Type: n/a Well Depth: n/a Slot Size: n/a Casing Stickup: n/a **Supplemental Groundwater** Gravel Pack: n/a Water Table: ~38 feet bgs Project No: 210129.00 Task 2 Elevation (feet msi) Northing (feet) Easting (feet) **Boring SB-80 (cont.)** ~140 n/a n/a Boring Groundwater Sample Interval Sample **Blow Counts** Depth (feet) Completion Moisture Content Type Water Recovery LITHOLOGY / DESCRIPTION Interval Level . So∐ SW SAND: brown, fine to coarse; Trace Gravel and Trace Silt, loose, wet, no odor, no sheen 90collected GW-80-4 92-Z same as above moist 9,17,17 96 4000 98 100collected GW-80-5 Boring terminated at 100 feet and backfilled with bentonite chips and capped with cement **Bentonite Chips**

Client: J.H. Baxter Logged By: Elizabeth Poole Driller: Cascade Drilling Drilling Method: HSA Sampling Method: Hydropunch

Casing Type: n/a
Slot Size: n/a
Gravel Pack: n/a

Location: Arlington, WA
Date Drilled: July 26, 2010
Borehole Diameter: 6 inch
Borehole Depth: 100 feet
Well Diameter: n/a
Well Depth: n/a

Casing Stickup: n/a Water Table: ~40 feet bgs PREMIER

PAGE 1 of 3

Project Name: J.H. Baxter -Supplemental Groundwater Project No: 210129.00 Task 2

Gravel Pack:	n/a		Water	Table:	~40 fe			Project No: 210129.00 Task 2 (feet msl) Northing (feet) Easting (feet)		
	В	oring	SB-81			Eleva	ation (fe 140~		Northing (feet) n/a	Easting (feet)
Boring Completion	Water Level		Groundwater Sample Interval Blow Counts	Depth (feet)	Sacovery	Interval	Soll Type		LITHOLOGY / D	
Je G		damp	50 for 6	2— 4— 6— 8—	Reco	Inter	SM	SILTY S. dense, n	oil surface AND: brown, fine to coa o odor, no sheen AND: brown, fine to me dense, no odor, no she	
S		damp	22,27,2	16——					prown to gray, fine to me Sand, medium dense, no	
Bentonite Chip			50 for 6	20—22—24—			SP		with Some Silt: browish dense, no odor, no she	
		moist	50 far 6	28—				same as		
		moist	20,20,2	30—32—34—					prownish gray, fine to m ell graded, medium dens	edium; Trace Silt, Trace se, no odor, no sheen
	∇	moist	26,28,5	38—					above with silt	
		wet	12,12,1	5 <u>-</u> 42— - 44—				same as	above	

Client: J.H. Baxter Logged By: Elizabeth Poole Driller: Cascade Drilling Drilling Method: HSA Sampling Method: Hydropunch

Casing Type: n/a

Location: Arlington, WA Date Drilled: July 26, 2010 Borehole Diameter: 6 inch Borehole Depth: 85 feet Well Diameter: n/a Well Depth: n/a



Project Name: J.H. Baxter -

Casing Type. Slot Size: n/a Gravel Pack:				Casing Water T	Stickup:	: n/a	et hr	16		Suppleme	ntal Groundwater 210129.00 Task 2
		ng Si	B-81 (d		ubio.	1010			et msl)	Northing (feet)	Easting (feet)
Boring Completion	Water Level	Moisture Content	Groundwater Sample Interval	Blow Counts	Depth (feet)	- 			LITHOLOGY / DESCRIPTION		
		wet		12,12,15	46—			SP		prownish gray, fine to mo ell graded, medium dens	edium; Trace Silt, Trace se, no odor, no sheen
		wet		13,14,17	50————————————————————————————————————			SM		AND: brownish gray, fin no sheen	ne sand, medium dense,
		wet		9,9,10	56————————————————————————————————————				same as		
onite Chips		wet	\geq	10,10,12	62—64—66—				collected	d GW-81-1	
Bent			\times		68—— 70—— 72——				collected	d GW-81-2	
		wet		9,9,10	74————————————————————————————————————				same as	s above, Trace Gravel @	<u>)</u> 76.5'
		wet	>	6,7,9	80— 82— 84— 86— 88—				collected	d GW-81-3 s above	HI .

Client: J.H. Baxter Location: Arlington, WA PAGE 3 of 3 Logged By: Elizabeth Poole Date Drilled: July 26, 2010 Driller: Cascade Drilling Borehole Diameter: 6 inch Drilling Method: HSA Borehole Depth: 85 feet Sampling Method: Hydropunch Well Diameter: n/a Project Name: J.H. Baxter -Casing Type: n/a Well Depth: n/a Supplemental Groundwater Slot Size: n/a Casing Stickup: n/a Project No: 210129.00 Task 2 Water Table: ~40 feet bgs Gravel Pack: n/a Elevation (feet msl) Northing (feet) Easting (feet) **Boring SB-81 (cont.)** ~140 n/a n/a Groundwater Sample Interval Boring **Blow Counts** Sample Depth (feet) Completion Moisture Content Soil Type Water Recovery LITHOLOGY / DESCRIPTION Interval Backfill Level 90collected GW-81-4 Bentonite Chips 92-SILTY SAND: brownish gray, fine sand, medium dense, 8,9,9 SM wet no odor, no sheen 96-98-100collected GW-81-5 Boring terminated at 100 feet and backfilled with bentonite chips and capped with cement

Client: J.H. Baxter
Logged By: Elizabeth Poole
Driller: Cascade Drilling
Drilling Method: HSA
Sampling Method: Hydropunch

Casing Type: n/a Slot Size: n/a Gravel Pack: n/a Location: Arlington, WA
Date Drilled: July 27, 2010
Borehole Diameter: 6 inch
Borehole Depth: 100 feet
Well Diameter: n/a
Well Depth: n/a

Well Depth: n/a Casing Stickup: n/a Water Table: ~40 feet bgs PREMIER
ENVIRONMENTAL BRIEVICES, INC.

PAGE 1 of 3

Project Name: J.H. Baxter -Supplemental Groundwater Project No: 210129.00 Task 2

					Stickup: able: ~		et bo	ıs		Supplemental Groundwater Project No: 210129.00 Task 2			
Boring SB-82								tion (fe ~140		Northing (feet) n/a	Easting (feet)		
Boring Completion	Water Level	Moisture Content	Groundwater Sample interval	Blow Counts	Depth (feet)	Recovery	Interval aid	Soil Type		LITHOLOGY / DESCRIPTION			
		damp	3	32,50 for 6"	2—————————————————————————————————————	3		SM	SILTY S	oil surface AND: brown, fine to me ss Roots, medium dens	edium, Trace Coarse Sand se, no odor, no sheen		
		damp		33,50 for 5"	10			św.		prownish gray, fine to co lium dense, no odor, no	parse, Trace Gravel and sheen		
		damp		35,50 for 4*	16——				same as	above			
onite Chips		moist		12,12,15	20—————————————————————————————————————			SP- SM		rith SILT: grayish brown no odor, no sheen	, fine to medium, medium		
Bent	·	moist		9,12,12	26—————————————————————————————————————				same as	above			
		moist		10,12,14	30——				same as	above			
		moist		7,8,8	34————————————————————————————————————			SM	SILTY S odor, no		ne to medium, loose, no		
	ロ	wet		6,7,8	40— 42— 44—				same as	s above			

Client: J.H. Baxter Logged By: Elizabeth Poole Driller: Cascade Drilling Drilling Method: HSA

Sampling Method: Hydropunch

Casing Type: n/a Slot Size: n/a Gravel Pack: n/a Location: Arlington, WA
Date Drilled: July 27, 2010
Borehole Diameter: 6 inch
Borehole Depth: 100 feet

Well Diameter: n/a Well Depth: n/a Casing Stickup: n/a Water Table: ~40 feet



PAGE 2 of 3

Project Name: J.H. Baxter -Supplemental Groundwater Project No: 210129.00 Task 2

Siot Size: n/a Gravel Pack:	Water Table: ~40 feet bgs							Project No: 210129.00 Task 2							
	Bori	ng Sl	B-82 (cont.)		Elevation (feet msl) ~140				Northing (feet) n/a	Easting (feet) n/a				
Boring Completion	Water Level					Moisture	Groundwater Sample Interval	Blow Counts	Depth (feet)	Recovery	Interval	Soil Type		LITHOLOGY / E	
		wet		9,9,9	46—]			SM	SILTY S.		ne to medium, loose, no				
		wet		9,9,9	50 52 54			SP- SM	decrease	e Silt content					
		wet		7,7,9	56—]			SP- SM		ith SILT: gray Gravelly, o odor, no sheen	fine to coarse, medium				
Chips			\times		60— 62— 64—				collected	GW-82-1, blind duplica	ate GW-82-2				
Bentonite (wet		6,8,8	68—		Bull	SP- SM		ith SILT: gray, fine to m no sheen	nedium, well sorted, loose,				
			\times		72—74—				collected	I GW-82-3					
		wet		6,7,8	76—			SM	SILTY: g	ray, fine to medium, no	odor, no sheen, soft				
			\times		80— 82— 84—				collected	d GW-82-4					
		wet		7,8,8	86—]				same as	above					

Client: J.H. Baxter Logged By: Elizabeth Poole Driller: Cascade Drilling Drilling Method: HSA

Sampling Method: Hydropunch Casing Type: n/a

Location: Arlington, WA Date Drilled: July 27, 2010 Borehole Diameter: 6 inch Borehole Depth: 100 feet Well Diameter: n/a

Well Depth: n/a

PREMIER ENVIRONMENTAL BERVICES, INC.

PAGE 3 of 3

Project Name: J.H. Baxter -

Slot Size: n/a Gravel Pack: ı				Casing	Stickup: Fable: ~	: n/a	eet be	ıs	Supplemental Groundwater Project No: 210129.00 Task 2		
		ng Si	3-82 (et msl)	Northing (feet) n/a	Easting (feet)
Boring Completion	Water Level	Moisture Content	Groundwater Sample Interval Blow Counts			Recovery Interval		Soil Type		LITHOLOGY / D	ESCRIPTION
Bentonite Chips	:	wet		7,8,10	90————————————————————————————————————			S S	SILTY S	d GW-82-5 AND: brownish gray, fin no sheen	ne sand, medium dense,
					100 —				Boring to	erminated at 100 feet are altonite chips and capped	

Client: J.H. Baxter Logged By: Elizabeth Poole Driller: Cascade Drilling Drilling Method: HSA

Sampling Method: Hydropunch

Casing Type: n/a Slot Size: n/a Gravel Pack: n/a Location: Arlington, WA
Date Drilled: July 28, 2010
Borehole Diameter: 6 inch
Borehole Depth: 100 feet
Well Diameter: n/a

Well Depth: n/a
Casing Stickup: n/a
Water Table: ~40 feet

PREMIER

PAGE 1 of 3

Project Name: J.H. Baxter - Supplemental Groundwater Project No: 210129.00 Task 2

Blot Size: n/a Bravel Pack:	Casing Water T				ıs		Supplemental Groundwater Project No: 210129.00 Task 2							
	3	Elevation (feet msl) ~140					Northing (feet) n/a	Easting (feet) n/a						
Boring Completion Water Level W			Moisture Content Sroundwater		Groundwater Sample Interval Blow Counts		Depth (feet)	Recovery Interval Soil Type		Soll Type		LITHOLOGY / DESCRIPTION		
		damp	- vs	50 for 4"	2— 4— 6—3 8—	œ		SW	SAND: b	oil surface prown, fine to coase, Tra dense, no odor, no she	ace Gravelly, Trace Silt, en			
		damp		50 for 5**	10				same as	above				
		damp		32,50 for 4"	16—			23	same as	s above				
tonite Chips		damp		34,50 for 4"	20—			SP- SM	SAND w		coase, medium dense, no			
Bentoni		damp		22,20,22	26—————————————————————————————————————				same as	s above				
		damp		15,16,18	30 32 -			SM		AND: brownish, gray, fi dense, no odor, no she				
		moist		12,12,14	34——				same as	s above				
	∇	wet		10,10,12	40—			SW	medium	gray, fine to coase, Trac dense, no odor, no she				

Client: J.H. Baxter Logged By: Elizabeth Poole Driller: Cascade Drilling Drilling Method: HSA Sampling Method: Hydropunch

Casing Type: n/a

Location: Arlington, WA Date Drilled: July 28, 2010 Borehole Diameter: 6 inch Borehole Depth: 100 feet Well Diameter: n/a

Well Depth: n/a

PAGE 2 of 3 PREMIER

Project Name: J.H. Baxter -

Slot Size: n/a Gravel Pack:				Casing Water T	Stickup	: n/a	eet bo	15	Supplemental Groundwater Project No: 210129.00 Task 2			
-	3-83 (et msl)	Northing (feet) n/a	Easting (feet)			
Boring Completion	Water Level		Groundwater Sample Interval	Blow Counts	Depth (feet)	Recovery ss	Interval	Soil Type		LITHOLOGY / DESCRIPTION		
		wet		10,10,12	46——			św		gray, fine to coase, Trace dense, no odor, no she		
		wet		10,12,14	52—	5 C C C C C C C C C C C C C C C C C C C		SM	SILTY S odor, no	AND: gray, fine to medi sheen	um, medium dense, no	
		wet		10,10,13	54————————————————————————————————————				same as	s above		
şd)			\bowtie		60— 62— 64—				collected	d GW-83-1		
Bentonite Ch		wet		8,8,10	66——				same as	s above		
			> <		70— 72— 74—				collected	I GW-83-2		
		wet		7,10,10	76—— 78——					SAND: gray, fine to coars no odor, no sheen	se, Trace Gravel, medium	
			\times		80— 82— 84—				collecte	d GW-83-3		
		wet		7,8,8	86—— 88——					6AND: brownish gray, fir oose, soft, no odor, no s		

Client: J.H. Baxter Location: Arlington, WA PAGE 3 of 3 Logged By: Elizabeth Poole Date Drilled: July 28, 2010 Driller: Cascade Drilling Borehole Diameter: 6 inch PREMIER Drilling Method: HSA Borehole Depth: 100 feet Sampling Method: Hydropunch Well Diameter: n/a Casing Type: n/a Project Name: J.H. Baxter -Well Depth: n/a Slot Size: n/a Supplemental Groundwater Casing Stickup: n/a Project No: 210129.00 Task 2 Gravel Pack: n/a Water Table: ~40 feet bgs Elevation (feet msl) Northing (feet) Easting (feet) **Boring SB-83 (cont.)** ~140 n/a n/a Groundwater Sample interval Boring Sample **Blow Counts** Depth (feet) Completion Moisture Content Soil Type Water Recovery LITHOLOGY / DESCRIPTION Interval Level 90-92. SILTY SAND: brownish gray, fine to coarse, medium SM 10,10,12 wet dense, loose, soft, no odor, no sheen 98 100-Boring terminated at 100 feet and backfilled with bentonite chips and capped with cement

Client: J.H. Baxter Logged By: Elizabeth Poole Driller: Cascade Drilling 'Drilling Method: HSA

Sampling Method: Hydropunch Casing Type: n/a Slot Size: n/a Location: Arlington, WA
Date Drilled: October 19, 2010
Borehole Diameter: 6 inch
Borehole Depth: 101 feet
Well Diameter: n/a

Well Diameter: n/a
Well Depth: n/a
Casing Stickup: n/a
Water Table: ~40.5 ft bg



Project Name: J.H. Baxter -Supplemental Groundwater Project No: 210129.00 Task 2

Siot Size: n/a Gravel Pack:				Water T			ft ha	c			210129.00 Task 2
Oldver Fack.					abic.	Elevation (feet msl)			et msl)	Northing (feet)	Easting (feet)
	B	oring	SB-84	4		~140				n/a	n/a
Boring Completion	Water	Moisture Content	lwater Interval	Blow Counts	Depth (feet)	\vdash	nple	Soil Type		LiTHOLOGY / D	ESCRIPTION
Backfill	Level	Mois	Groundwater Sample Interval	Blow (Depth	Recovery	Interval	Soil		LITHOLOGY / D	ESCRIPTION
					_			***	Gravel s	urface	
					2			14 A]		
					4						
		damp		8,8,8	<u> </u>			GP- ≯SP		GRAVEL: brown, fine to no sheen	coarse, medium dense,
					6—			はる			
					8						
		damp		10,12,15	,, ₌			が一	same as	ahove	
		ournp		10,12,13	10—		1000	45	Same as	25046	
					12						
					14						
		damp		9,16,18				4	boulder	@15'	
					16			4			
					18			7			
///sd		damp		50 for 3"	20—	110000	8353	SM	SILTY S	AND: brown, fine to coa	arse, medium dense, no
/// ວົ///						2000	Page		odor, no		
					22	\vdash	_				
gent ////					24						
		damp		12,14,19]				@24.5' f	ine to medium sand	
		!			26—						
					28	\vdash	_				
		damp		22,50 for 6"	30—				same as	above	
				101 8							
					32						
					34—		Tarrello .		CALIDY	OII 7: b 2	
		moist		12,12,14	36—			ML		SILT: brown, fine sand, 10 odor, no sheen	stiff, medium plasticity,
									,		
					38						
	又	wet		12,14,15	40—			SM		AND: brownish gray, fir	ne to medium, medium
									dense, r	no odor, no sheen	
					42—						
					44						
	4		<u> </u>	I	l			HEFFT.	9		·

Client: J.H. Baxter Logged By: Elizabeth Poole Driller: Cascade Drilling Drilling Method: HSA

Sampling Method: Hydropunch

Casing Type: n/a Slot Size: n/a Gravel Pack: n/a Location: Arlington, WA
Date Drilled: October 19, 2010
Borehole Diameter: 6 inch

Borehole Depth: 101 feet Well Diameter: n/a Well Depth: n/a Casing Stickup: n/a Water Table: ~40.5 ft bgs



Project Name: J.H. Baxter -Supplemental Groundwater Project No: 210129.00 Task 2

	ravel Pack: n/a Water Table							S		Project No: 210129.00 Task 2		
	Bori	ng SI	3-84 (cont.)			Eleva	ation (fe ~14(et msl))	Northing (feet) n/a	Easting (feet) n/a	
Boring Completion	Water Level		Groundwater Sample Interval	Blow Counts	Depth (feet)	Recovery	interval	Soil Type		LITHOLOGY / D		
		wet		16,19,23	46—			SM	dense, n	AND: brownish gray, fin to odor, no sheen	e to medium, medium	
		wet		10,23,24	50—]				same as	above above, increase fine sa	nd with depth	
		wet		10,11,15	58—				same as			
chips.		wet		50 for 6*	62				same as	above @64.5' to 64.8'		
Bentonite		wet		15,50 for 6*	68—				@70* bro	own, fine to coarse sand	, dense, heaving sands	
		wet		50 for 6"	72				@75' mu	ulticolored		
		wet	\times	50 for 6*	76— 78— 80—				collected	d GW-84-1		
		wet		50 for 6"	82—84—3 86—88—88—				same as	above		

Client: J.H. Baxter Location: Arlington, WA PAGE 3 of 3 Logged By: Elizabeth Poole Date Drilled: October 19, 2010 Driller: Cascade Drilling Borehole Diameter: 6 inch Drilling Method: HSA Borehole Depth: 101 feet Sampling Method: Hydropunch Well Diameter: n/a Project Name: J.H. Baxter -Casing Type: n/a Well Depth: n/a Supplemental Groundwater Slot Size: n/a Casing Stickup: n/a Project No: 210129.00 Task 2 Water Table: ~40.5 ft bgs Gravel Pack: n/a Elevation (feet msl) Northing (feet) Easting (feet) **Boring SB-84 (cont.)** ~140 n/a n/a Boring Groundwater Sample Interval **Blow Counts** Sample Depth (feet) Completion Moisture Content Soil Type Water Recovery **LITHOLOGY / DESCRIPTION** Interval Level SM SILTY SAND: brown, fine to coarse sand, dense, no odor, no sheen, collected GW-84-2 90-Chips 92-50 for 6" wet 96-98 collected GW-84-3 100-Boring terminated at 101 feet and backfilled with bentonite chips and capped with cement

Client: J.H. Baxter Logged By: Elizabeth Poole Driller: Cascade Drilling Drilling Method: HSA

Sampling Method: Hydropunch

Casing Type: n/a Slot Size: n/a Gravel Pack: n/a Location: Arlington, WA
Date Drilled: October 20, 2010
Borehole Diameter: 6 inch
Borehole-Depth: 100 feet

Well Diameter: n/a
Well Depth: n/a
Casing Stickup: n/a
Water Table: ~50 ft bgs



PAGE 1 of 3

Project Name: J.H. Baxter -Supplemental Groundwater Project No: 210129.00 Task 2

Gravel Pack:					Water Table: ~50 ft bgs						: 210129.00 Task 2
	В	oring	SB-8	5			Eleva	ation (fe ~140		Northing (feet)	Easting (feet)
Boring Completion	Water	ure	water	ounts	feet)	Sample					,
Backfill	Level	Moisture Content	Groundwater Sample Interval	Blow Counts	Depth (feet)	Recovery	Interval	Soil Type		LITHOLOGY / I	DESCRIPTION
					_			***	Gravel su	urface	
					2-			- 40			
					4			14.7			
						-		* · * ·			
					6			# 4			
					8—			11.00			
					_	-		7.2			
		damp		10,10,16	10-		100	GP- SP:	SANDY		o coarse, medium dense,
		danip		10,10,10	12		2	SP	no odor,	no sheen	
					_	-		2			
					14	\vdash		ALA:			
					16			W.			
				8	_	-		***			
					18	\vdash	-	社会		10	
Chips					20-			1			
		damp		22, 50 for 6"	20			ALK!	decrease	Gravel content	
Bentonite				10.0	22—			11.2			
ento					24		-	= 12			
Ď					24			HAT			
					26—	-		14			
					20 -						
					28			A			
					30-			SM	OII TV O	AND become 6 and a	- dt d
		damp		8,20,25	33			NO.	sheen	AND: prown, fine to me	edium, dense, no odor, no
					32—		()				
					34	-					
					-			Hilli			
					36—						
		1			38	-					
					-						
		damp		23,50 for 5"	40-				same as	above	
		,		101 3	42						
					-						
					11-						

Client: J.H. Baxter Logged By: Elizabeth Poole Driller: Cascade Drilling Drilling Method: HSA Sampling Method: Hydropunch

Casing Type: n/a

Location: Arlington, WA Date Drilled: October 20, 2010 Borehole Diameter: 6 inch Borehole Depth: 100 feet Well Diameter: n/a

Well Depth: n/a

PREMIER ENVIRONMENTAL SERVICES, INC.

PAGE 2 of 3

Project Name: J.H. Baxter -

Slot Size: n/a				Casing :	out. tiva Stickup: n/a able: ~50 ft bgs					Supplemental Groundwater Project No: 210129.00 Task 2		
Gravel Pack:		61	9 95 /		able: ~	5υ π		ition (fe		Northing (feet)	Easting (feet)	
Boring	Dori	ng Si		cont.)			_	~140)	n/a	n/a	
Completion	Water Level	Moisture Content	Groundwater Sample Interval	Blow Counts	Depth (feet)	Soll Type				LITHOLOGY / DESCRIPTION		
ie Chips:	∇	wet		50 for 6"	50————————————————————————————————————			S P	SAND: t	prown, fine to coarse; So	dium, dense, no odor, no	
Bentoni		wet		50 for 6" 50 for 6"	66————————————————————————————————————				same as collecte	s above d GW-85-1		

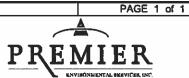
Client: J.H. Baxter Location: Arlington, WA PAGE 3 of 3 Logged By: Elizabeth Poole Date Drilled: October 20, 2010 Driller: Cascade Drilling Borehole Diameter: 6 inch PREMIER Drilling Method: HSA Borehole Depth: 100 feet Sampling Method: Hydropunch Well Diameter: n/a Project Name: J.H. Baxter -Casing Type: n/a Well Depth: n/a Slot Size: n/a Supplemental Groundwater Casing Stickup: n/a Water Table: ~50 ft bgs Project No: 210129.00 Task 2 Gravel Pack: n/a Elevation (feet msl) Northing (feet) Easting (feet) Boring SB-85 (cont.) ~140 n/a n/a Groundwater Sample Interval Boring **Blow Counts** Sample Depth (feet) Completion Moisture Content Soll Type Water Recovery LITHOLOGY / DESCRIPTION Interval Level 90collected GW-85-2 92-SAND: brown, fine to coarse; Some Silt, dense, no odor, 50 for 4" wet no sheen 96 98 100 collected GW-85-3 Boring terminated at 100 feet and backfilled with bentonite chips and capped with cement

Client: J.H. Baxter Logged By: Derek McGregor Driller: Cascade Drilling Drilling Method: HSA

Sampling Method: Hydropunch Casing Type: Sch. 40 PVC

Slot Size: 20 Gravel Pack: 10/20 Location: Arlington, WA
Date Drilled: June 28 & 29, 2010
Borehole Diameter: 8 inch
Borehole Depth: 99 feet
Well Diameter: 2 inch

Well Depth: 80 feet Casing Stickup: none Water Table: ~40 ft bgs



Project Name: J.H. Baxter -Supplemental Groundwater Project No: 210129.00 Task 2

Gravel Pack:	10/20			Water T			bgs			Project No: 210129.00 Task 2		
	W	ell No	. MW-	-38				ation (fe 143.3	*	Northing (feet) 427653.6	Easting (feet) 1320491.4	
Boring Completion	Water Level		Groundwater Sample Interval	Blow Counts	Depth (feet)	Recovery S	Interval di	Soil Type	See Bor	LITHOLOGY / DESCRIPTION see Boring Log MW-34 for soil description from 0-60 ft bg		
		moist		4,13,21	62—64—66—68—70—			sw	SAND: t	orown, fine to medium, sed	ubrounded, saturated,	
		moist		4,19,22	72—— 74—— 76—— 78——				same as	above	. CIM 29 A	
		moist		3,10,11	82—— 84—— 86—— 88——				same as	d GW-38-3; blind duplicated in the state of		
		moist	×	4,14,24	92— 94— 96— 98—				SAND: I Gravel, sorted	orown, fine to coarse, me fine to medium, subroun d GW-38-6		
					100					erminated at 99 feet and	I well MW-38 installed.	

^{*} See well description detail for well completion information

Client: J.H. Baxter Logged By: Derek McGregor Driller: Cascade Drilling

Drilling Method: HSA
Sampling Method: Hydropunch
Casing Type: Sch. 40 PVC

Slot Size: 20 Gravel Pack: 10/20 Location: Arlington, WA
Date Drilled: July 13, 2010
Borehole Diameter: 8 inch
Borehole Depth: 99 feet
Well Diameter: 2 inch
Well Depth: 80 feet
Casing Stickup: none

Water Table: ~40 ft bgs

PREMIER ENVIRONDIEVYAL SERVICERA INC

Project Name: J.H. Baxter -Supplemental Groundwater Project No: 210129.00 Task 2

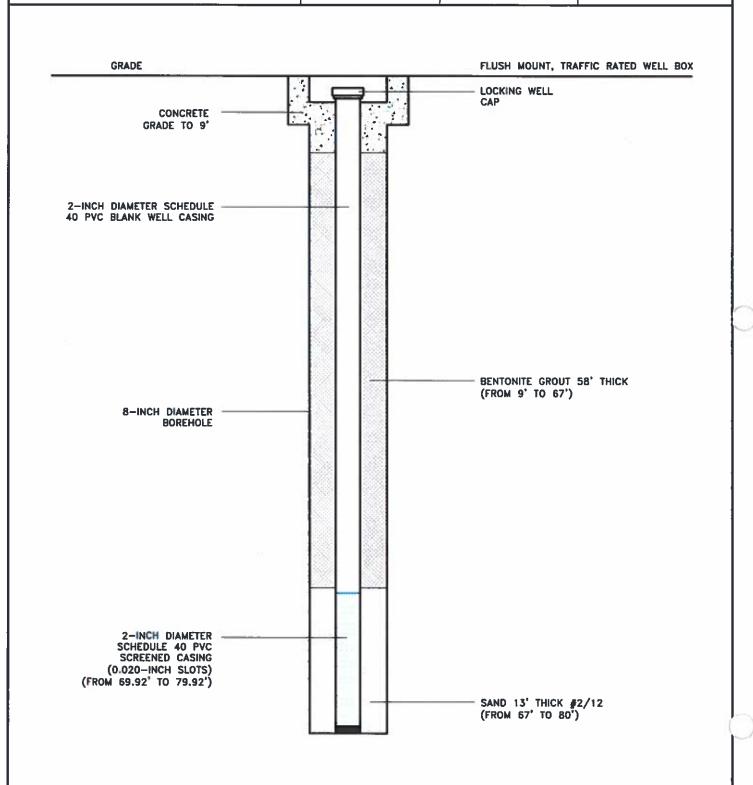
Well No. MW-38

Elevation (feet msl) 143.36

3.36

Northing (feet) 427653.6 Easting (feet) 1320491.4

PAGE 1 of 1



Client: J.H. Baxter Logged By: Elizabeth Poole Driller: Cascade Drilling Drilling Method: HSA

Sampling Method: Hydropunch Casing Type: Sch. 40 PVC

Location: Arlington, WA Date Drilled: July 14, 2010 Borehole Diameter: 8 inch Borehole Depth: 81.5 feet Well Diameter: 2 inch Well Depth: 79.8 feet

PAGE 1 of 2

Project Name: J.H. Baxter -

Slot Size: 20 Gravel Pack:				Casing Water T		none 40 ft bgs				Supplemental Groundwater Project No: 210129.00 Task 2			
			o. MW				Eleva	ation (fe 142.7		Northing (feet) 427993.1	Easting (feet) 1320148.9		
Boring Completion		o +	iter	nts	et)	Sample g				1920110.0			
Backfill .	Water Level		Groundwater Sample Interval	Blow Counts Depth (feet)		Recovery	Interval	Soil Type		LITHOLOGY / D	ESCRIPTION		
		damp			_			sw		rown, fine to medium, 7 anic Natural, Grass, loo	Frace Gravel, and Trace		
		damp		10,12,13	2—————————————————————————————————————			4 6 4		above, grass roots at to			
		damp		16,18,20	10					prown, fine to coarse, Tr lium dense, moderately	ace Gravel, and Trace sorted, no odor, no sheen		
		moist		9,11,13	16—118——				same as	above, well graded, loo	ose		
		moist		5,10,14	20—				same as	above, become browni	ish gray		
		damp		11,15,15	24————————————————————————————————————			SP- SM		prown, fine to medium, S lium dense, no odor, no			
		damp	*	7,11,14	30-32				same as	above	÷		
		damp		10,16,22	36—				same as	above			
		wet		10,16,22	40————————————————————————————————————				same as	above	,v		

^{*} See well description detail for well completion information

Client: J.H. Baxter

Logged By: Elizabeth Poole Driller: Cascade Drilling

Drilling Method: HSA
Sampling Method: Hydropunch

Casing Type: Sch. 40 PVC

Slot Size: 20

Gravel Pack: 10/20

Location: Arlington, WA
Date Drilled: July 14, 2010
Recebel Diameter: 8 inch

Borehole Diameter: 8 inch Borehole Depth: 81.5 feet Well Diameter: 2 inch Well Depth: 79.8 feet

Casing Stickup: none Water Table: ~40 ft bgs PREMIER

Project Name: J.H. Baxter -Supplemental Groundwater Project No: 210129.00 Task 2

PAGE 2 of 2

3ravel Pack: 10	Well No. MW-39 (cont.)									Project No: 210129.00 Task 2		
W	Vell	No. I	MW-39	9 (cont.))	Elevation (feet msl) 142.73				Northing (feet) 427993.1	Easting (feet) 1320148.9	
	later evel	Moisture Content	Groundwater Sample Interval	Blow Counts	Depth (feet)	Recovery	Interval	Soil Type		LITHOLOGY / DESCRIPTION		
		wet		14,18,20	46			SP- SM		prown, fine to medium, Solium dense, no odor, no		
		wet		13,13,19	50————————————————————————————————————				same as	above		
		wet		13,15,19	54————————————————————————————————————							
		wet		6,9,11	60—————————————————————————————————————			ML		SILT: brown, fine, mediu no sheen	m dense, low plasticity,	
		wet		8,12,12	66—			SP- SM	SAND w		edium, medium dense, no	
				9,13,15	70— 72—				same as	above		
		wet	\times	8,8,12	74—— 76—— 78——			SM		AND: brown, fine to med sheen; collected GW-39	lium, medium dense, no 9-1	
				17,15,16	80				Boring to	erminated at 81.5 feet ar	nd well MW-39 installed.	

^{*} See well description detail for well completion information

Client: J.H. Baxter Logged By: Derek McGregor Driller: Cascade Drilling Drilling Method: HSA

Sampling Method: Hydropunch Casing Type: Sch. 40 PVC

Slot Size: 20

Gravel Pack: 10/20

Location: Arlington, WA
Date Drilled: July 14, 2010
Borehole Diameter: 8 inch
Borehole Depth: 81.5 feet
Well Diameter: 2 inch
Well Depth: 79.8 feet
Casing Stickup: none

Water Table: ~40 ft bgs

PREMIER ENVIRONMENTAL SERVICIES, INC

Project Name: J.H. Baxter -Supplemental Groundwater Project No: 210129.00 Task 2

Well No. MW-39

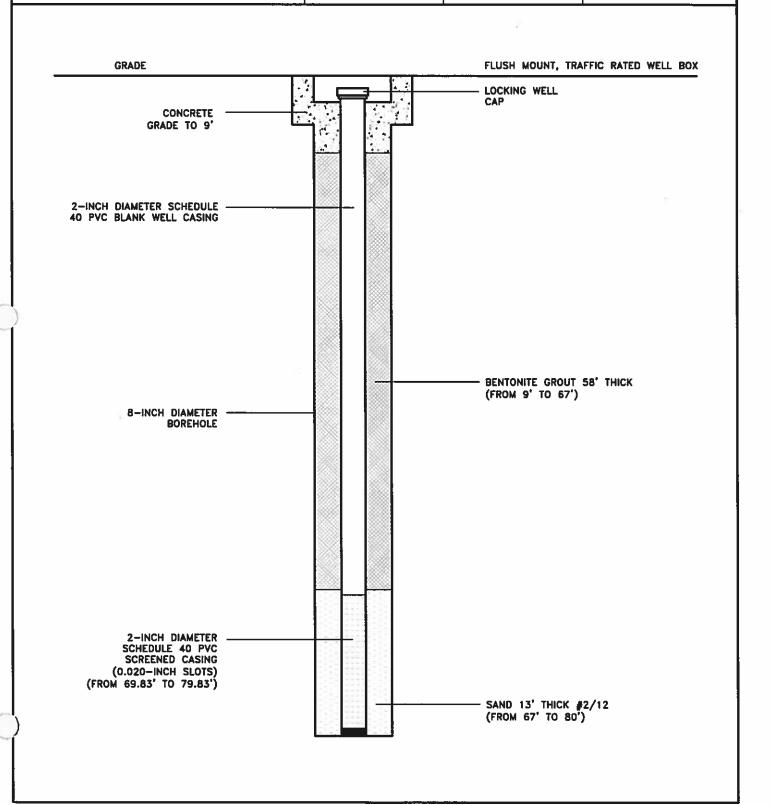
Elevation (feet msl) 142.73

3 427993.1

Northing (feet)

Easting (feet) 1320148.9

PAGE 1 of 1



Client: J.H. Baxter

Logged By: Derek McGregor Driller: Cascade Drilling Drilling Method: HSA

Sampling Method: Hydropunch Casing Type: Sch. 40 PVC

Slot Size: 20

Location: Arlington, WA
Date Drilled: July 1 & 2, 2010
Borehole Diameter: 8 inch
Borehole Depth: 90 feet
Well Diameter: 2 inch

Well Depth: 79.8 feet Casing Stickup: none Water Table: ~40 bgs PREMIER

PAGE 1 of 1

Project Name: J.H. Baxter - Supplemental Groundwater Project No: 210129.00 Task 2

Gravel Pack: 10/20 Elevation (feet msl) Northing (feet) Easting (feet) Boring SB-77/MW-40 142.56 427859.5 1320316.6 Groundwater Sample Interval **Boring** Sample Counts Depth (feet) Completion Moisture Content Type Water Recovery LITHOLOGY / DESCRIPTION Backfill Interval Soll Level Blow See Boring Log MW-15 for soil description from 0-55 ft bgs SAND: brown, fine to medium, subangular, saturated, well moist 4,4,4 SP 56sorted 58-60 collected GW-77-1, blind duplicate GW 77-2 62 SW SAND: brown, fine to coarse, subangular, saturated; last moist 5.10.15 0.3' - Trace Gravel, subrounded, moderately sorted 68 17 70 collected GW-77-3 72-SM moist 50+ SILT: brown, Some very fine Sand, no plasticity, Trace 76 Gravel, fine, subrounded, collected GW-77-4 78 80 82-SP SAND: brown, medium to coarse, subangular, saturated, moist 10,10,10 86 well sorted 88 collected GW-77-5 90-Boring terminated at 90 feet and well MW-40 installed.

^{*} See well description detail for well completion information

Client: J.H. Baxter Logged By: Derek McGregor Driller: Cascade Drilling Drilling Method: HSA

Sampling Method: Hydropunch Casing Type: Sch. 40 PVC

Slot Size: 20

Gravel Pack: 10/20

Location: Arlington, WA
Date Drilled: July 15, 2010
Borehole Diameter: 8 inch
Borehole Depth: 90 feet
Well Diameter: 2 inch
Well Depth: 79.8 feet
Casing Stickup: none

Water Table: ~40 bgs

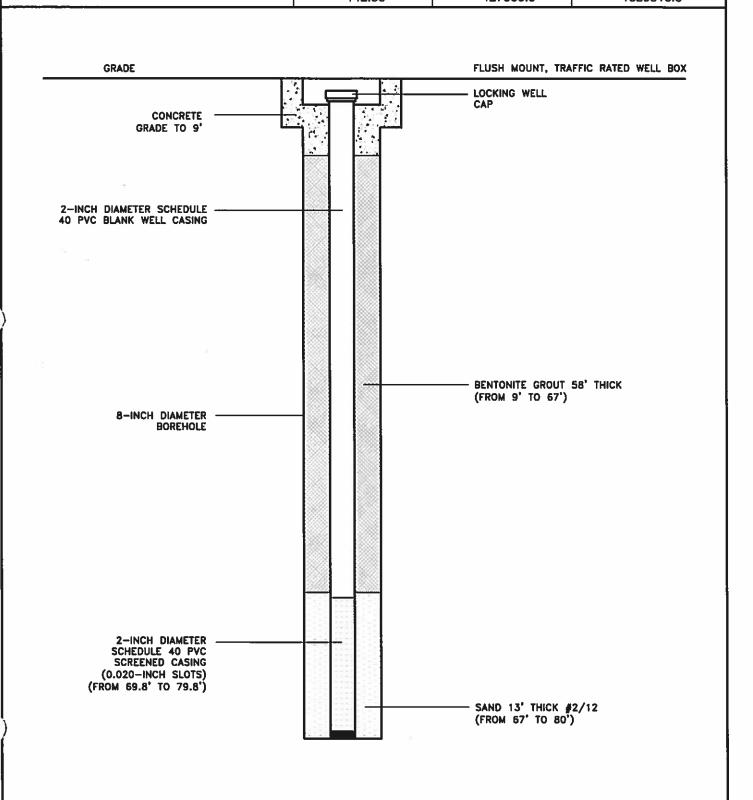
PREMIER ENVIRONMENTAL SKRIVICES, INC.

Project Name: J.H. Baxter -Supplemental Groundwater Project No: 210129.00 Task 2

Well No. MW-40

Elevation (feet msl) 142.56 Northing (feet) 427859.5 Easting (feet) 1320316.6

PAGE 1 of 1



Client; J.H. Baxter Logged By: Elizabeth Poole Driller: Cascade Drilling

Sampling Method: Hydropunch Casing Type: Sch. 40 PVC

Slot Size: 20 Gravel Pack: 10/20

Drilling Method: HSA

Location: Arlington, WA
Date Drilled: July 16, 2010
Borehole Diameter: 10 inch
Borehole Depth: 81.5 feet
Well Diameter: 4 inch
Well Depth: 79.2 feet
Casing Stickup: none

Water Table: ~40 bgs

PREMIER
ENVIRONMENTAL SERVICION.
Project Name: J.H. Baxtel

PAGE 1 of 1

Project Name: J.H. Baxter -Supplemental Groundwater Project No: 210129.00 Task 2

ravel Pack:	IVEL Pack: 10/20 Water Table:									Project No.	210129.00 145K 2	
	Well No. MW-41						Elevation (feet ms 142.33			st) Northing (feet) Easting (feet) 427968.1 1320255		
Boring Completion		2 t	ater	nuts	Bet)	Sai	mple			12.00011	1	
Backfill	Water Level		Groundwater Sample Interval	Blow Counts	Depth (feet)	Recovery	Interval	Soil Type	See Bor	LITHOLOGY / D ing Log MW-37 for soil of	ESCRIPTION lescription from 0-60 ft bg	
	wet 7,15,17 62—							sw	SAND w	rith Silt: grayish brown, fi no odor, no sheen		
		moist		6,18,19	66—			4		AND with Silt: gray, fine t dense, no odor, no shee		
				10,11,14	70—				same as	above		
		wet		9,9,13	74— 76— 78—					vith Silt: grayish brown, fi no odor, no sheen	ne to coarse, medium	
				6,12,18	80-				Boring to	erminated at 81.5 feet a	nd well installed.	
					_							
					_							
								8	bgs = be	elow ground surface		

^{*} See well description detail for well completion information

Client: J.H. Baxter Logged By: Derek McGregor Driller: Cascade Drilling 'Drilling Method: HSA

Sampling Method: Hydropunch Casing Type: Sch. 40 PVC

Well No. MW-41

Slot Size: 20

Gravel Pack: 10/20

Location: Arlington, WA
Date Drilled: July 16, 2010
Borehole Diameter: 10 inch
Borehole Depth: 81.5 feet
Well Diameter: 4 inch
Well Depth: 79.2 feet

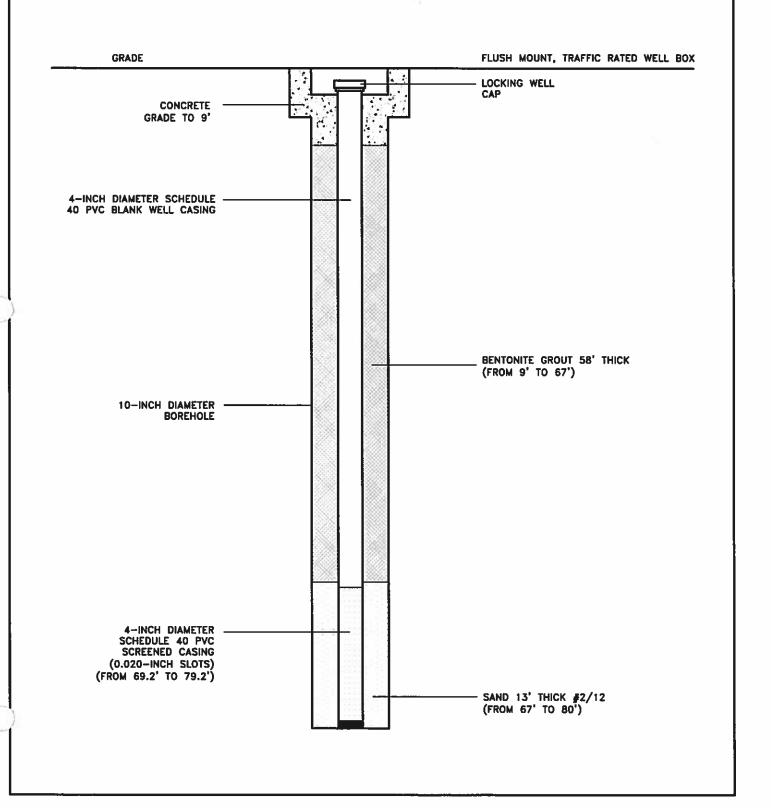
Well Depth: 79.2 feet Casing Stickup: none Water Table: ~40 bgs

Elevation (feet msl)

PREMIER

Project Name: J.H. Baxter -Supplemental Groundwater Project No: 210129.00 Task 2

PAGE 1 of 1



Client: J.H. Baxter Logged By: Elizabeth Poole Driller: Cascade Drilling

Drilling Method: HSA Sampling Method: Hydropunch Casing Type: Sch. 40 PVC

Slot Size: 20

Gravel Pack: 10/20

Location: Arlington, WA Date Drilled: July 30, 2010 Borehole Diameter: 8 inch Borehole Depth: 91.5 feet Well Diameter: 2 inch Well Depth: 89.1 feet

Casing Stickup: none Water Table: ~40 bgs



Project Name: J.H. Baxter -Supplemental Groundwater Project No: 210129.00 Task 2

Elevation (feet msl) Northing (feet) Easting (feet) Well No. MW-42 1320080.9 142.89 428319.7 Groundwater Sample Interval **Boring** Counts Sample Depth (feet) Completion Moisture Content Water Recovery LITHOLOGY / DESCRIPTION Interval Level Blow Soll See Boring Log MW-18 for soil description from 0-60 ft bgs SP-SAND with Silt: grayish brown, fine to coarse, medium wet 10,10,12 SM dense, no odor, no sheen 62-@66' SAND with Silt: gray, fine to coarse, Gravelly, moist 9,9,11 medium dense, no odor, no sheen 68 70 moist 8,9,12 same as above 72. SAND with Silt: grayish brown, fine to coarse, medium 6,10,12 wet dense, no odor, no sheen 78 80wet 10.10.8 same as above 82-84 same as above 6, 8, 8 wet 86 88 90 wet 10,10,8 Boring terminated at 91.5 feet and well MW-42 installed. bgs = below ground surface

^{*} See well description detail for well completion information

Client: J.H. Baxter Logged By: Derek McGregor Driller: Cascade Drilling Drilling Method: HSA

Sampling Method: Hydropunch Casing Type: Sch. 40 PVC

Slot Size: 20

Gravel Pack: 10/20

Location: Arlington, WA Date Drilled: July 30, 2010 Borehole Diameter: 8 inch Borehole Depth: 91.5 feet Well Diameter: 2 inch

Well Depth: 89.1 feet Casing Stickup: none Water Table: ~40 bgs

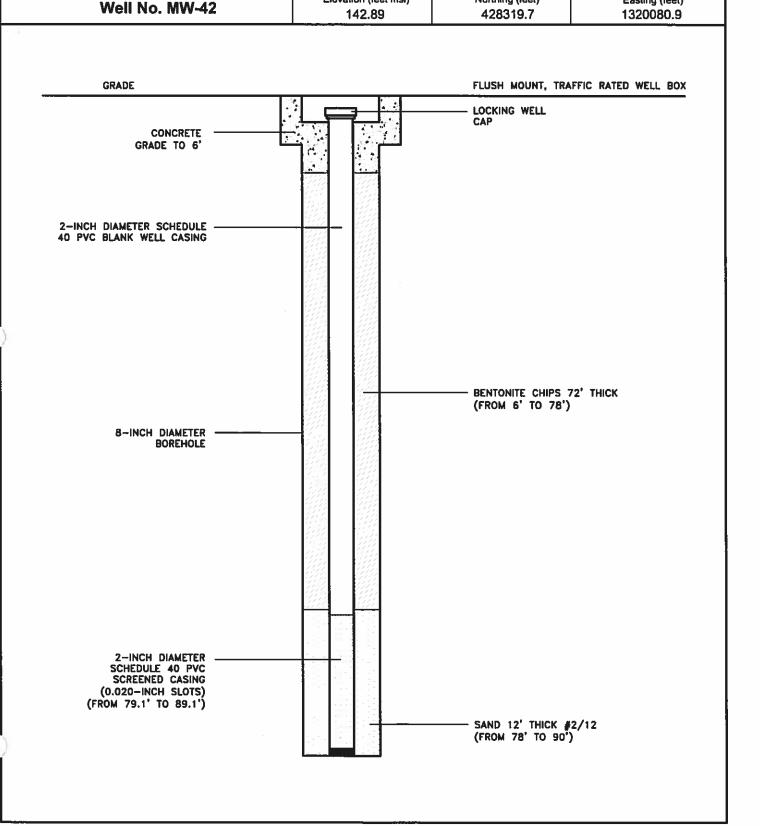
Elevation (feet msl)

PREMIER

PAGE 1 of 1

Project Name: J.H. Baxter -**Supplemental Groundwater** Project No: 210129.00 Task 2

Northing (feet) Easting (feet) 428319.7 1320080.9



Client: J.H. Baxter

Logged By: Elizabeth Poole Driller: Cascade Drilling Drilling Method: HSA

Sampling Method: Hydropunch Casing Type: Sch. 40 PVC

Slot Size: 20

Gravel Pack: 10/20

Location: Arlington, WA Date Drilled: October 19, 2010

Borehole Diameter: 8 inch Borehole Depth: 110 feet

Casing Stickup: none Water Table: ~44 ft bgs

Well Diameter: 2 inch Well Depth: 100 feet



PAGE 1 of 3

Project Name: J.H. Baxter -Supplemental Groundwater Project No: 210129.00 Task 2

Elevation (feet msl) Northing (feet) Easting (feet) **Boring MW-43** 1319841.1 141.91 428757.5 Boring Groundwater Sample Interval Sample Counts Depth (feet) Completion Moisture Content Water **Recovery** LITHOLOGY / DESCRIPTION Interval Level Blo₩ Soll Grass, soil surface GP-SANDY GRAVEL: brown, multicolored, trace Silt, medium damp 9,11,15 SP dense, no odor, no sheen same as above damp 13,13,16 10 12 same as above, very dense, increase Sand damp 50 for 6" 16 18 18, 50 same as above damp 20 for 6" 22 14A 43, 50 @24.4' SAND: grayish brown, fine to medium; Some damp for 6" 26 coarse Sand and Silt, very dense, no odor, no sheen 28 SP-SILTY SAND: grayish brown, fine to medium, medium damp 14,15,19 SM dense, no odor, no sheen 32 damp 19,20,23 fine silty sand 36 38 moist 14,15,20 same as above ∇

^{*} See well description detail for well completion information

Client: J.H. Baxter Logged By: Elizabeth Poole Driller: Cascade Drilling Drilling Method: HSA

Sampling Method: Hydropunch Casing Type: Sch. 40 PVC Slot Size: 20

Location: Arlington, WA Date Drilled: October 19, 2010 Borehole Diameter: 8 inch Borehole Depth: 110 feet Well Diameter: 2 inch Well Depth: 100 feet



PAGE 2 of 3

Project Name: J.H. Baxter -Supplemental Groundwater

Slot Size: 20 Gravel Pack:			•	Casing Water T	Stickup	: nor	ie			Supplemental Groundwater Project No: 210129.00 Task 2		
Graver Fack.			W-43	(cont.)	able	44 11	Eleva	ition (fe 141.9		Northing (feet) 428757.5	Easting (feet) 1319841.1	
Boring Completion	Water Level		Groundwater Sample Interval	Blow Counts	Depth (feet)	Recovery Interval		Soil Type		LITHOLOGY / DI		
		wet		10,16,16	46—— 48——			S	no odor,	AND: grayish brown, fine no sheen (coarse sand		
		wet		11,15,16	50—] 52— 54—					LAY @49.5' to 49.8'		
		wet		15,17,18 18,50	56—			SM-		AND: grayish, multicolor dense, no odor, no shee		
)		wet		for 6"	58——							
		wet		50 for 6"	62——			G S		GRAVEL: multicolored, on sheen see, no odor, no sheen	coarse Sand, trace Silt,	
		wet		50 for 6"	66——				medium	to coarse Sand, loose		
		wet		50 for 6*	72			"新生新生新生	same as	above		
		wet	>	50 for 6"	78— 80— 82— 84——			SM	SILTY S	d GW-43-1 AND: grayish, multicolor o odor, no sheen, heave	ed, fine to medium,	
					86— - 88—							

^{*} See well description detail for well completion information

Client: J.H. Baxter

Logged By: Elizabeth Poole Driller: Cascade Drilling Drilling Method: HSA

Sampling Method: Hydropunch

Casing Type: Sch. 40 PVC

Slot Size: 20

Gravel Pack: 10/20

Location: Arlington, WA

Date Drilled: October 19, 2010 Borehole Diameter: 8 inch Borehole Depth: 110 feet

Well Diameter: 2 inch Well Depth: 100 feet Casing Stickup: none

Water Table: ~44 ft bgs

PAGE 3 of 3

Project Name: J.H. Baxter -Supplemental Groundwater Project No: 210129.00 Task 2

Elevation (feet msl) Northing (feet) Easting (feet) Boring MW-43 (cont.) 428757.5 1319841.1 141.91 Groundwater Sample Interval Boring Sample **Blow Counts** Depth (feet) Completion Moisture Content Soll Type Water Recovery LITHOLOGY / DESCRIPTION Interval Level collected GW-43-2 90-92-SILTY SAND: grayish brown, fine sand, loose, no odor, 50 for 6" SM wet no sheen 98 collected GW-43-3 100 50 for 6" 102 same as above wet 104 106 108 collected GW-43-4 110-Boring terminated at 110 feet and well MW-43 installed.

See well description detail for well completion information

Client: J.H. Baxter Logged By: Elizabeth Poole Driller: Cascade Drilling Drilling Method: HSA

Sampling Method: Hydropunch Casing Type: Sch. 40 PVC

Slot Size: 20

Gravel Pack: 10/20

Location: Arlington, WA Date Drilled: October 19, 2010 Borehole Diameter: 8 inch Borehole Depth: 110 feet Well Diameter: 2 inch

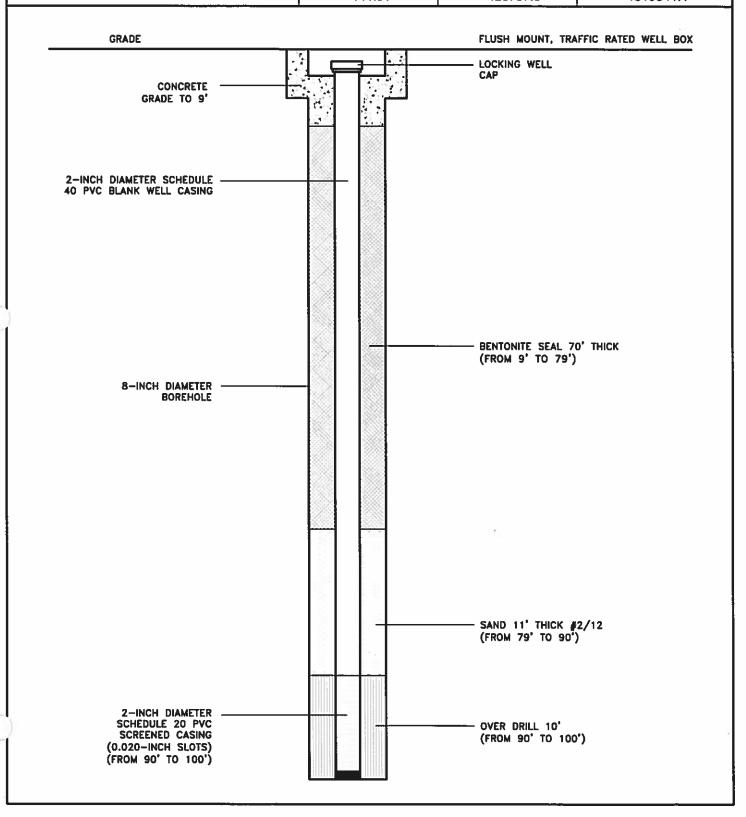
Well Depth: 100 feet Casing Stickup: none Water Table: ~44 ft bgs

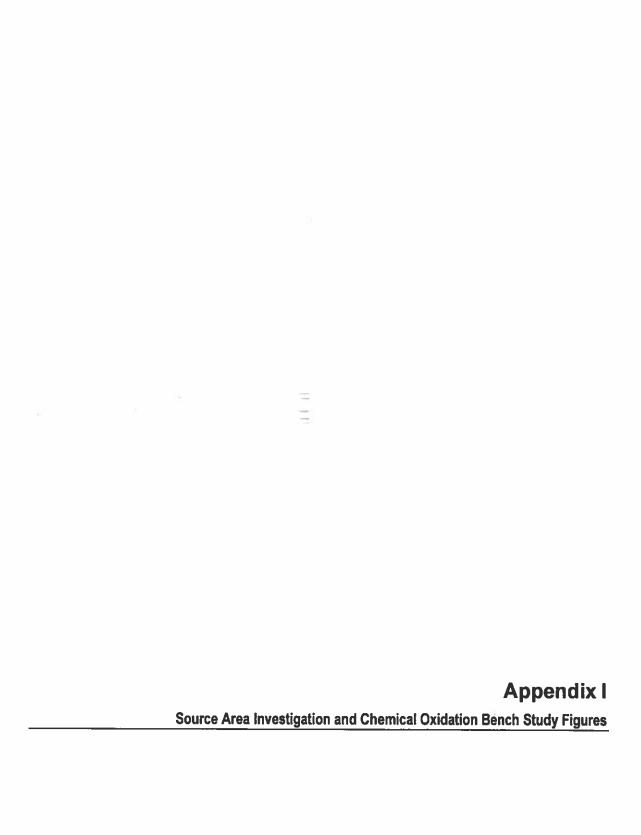
PREMIER

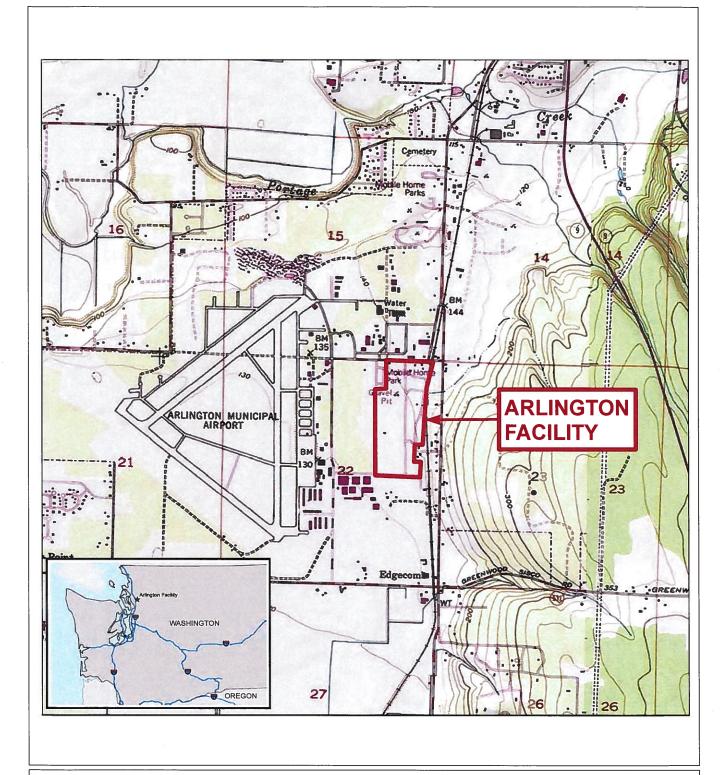
Project Name: J.H. Baxter -**Supplemental Groundwater** Project No: 210129.00 Task 2

PAGE 1 of 1

Elevation (feet msl) Northing (feet) Easting (feet) Well No. MW-43 141.91 428757.5 1319841.1







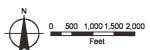
APPENDIX I-1

Site Vicinity Map

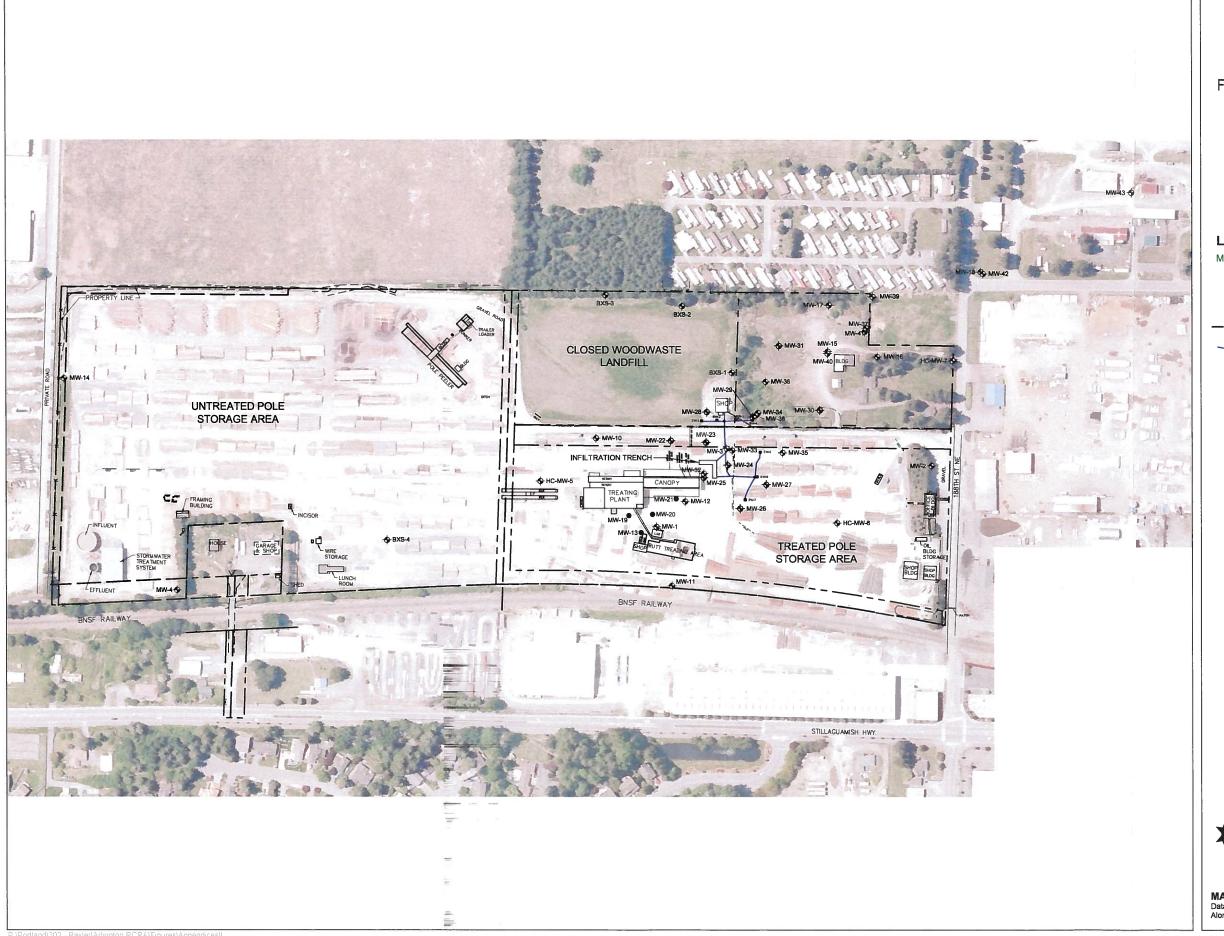
Former J.H. Baxter Wood Treating Facility
Arlington, Washington

MAP NOTES:

Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014







APPENDIX I-2

Site Plan and Groundwater Monitoring Network

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

LEGEND

- MW-11 Monitoring Well (Sampled September 2013)
- Extraction Well
- Recovery Well
- --- Approxiamte Site Boundary
- Layout of Groundwater Recirculation Piping





MAP NOTES:
Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



MW-43 ◆ RETENTION POND-BXS-3 MW 17 MW-15 MW-40 ■ **CLOSED WOODWASTE** LANDFILL MW-14 HC-MW-7 NORTHWEST PARCEL UNTREATED POLE STORAGE AREA PARCEL B INFILTRATION TRENCH PARCEL A ♦ HC−MW−6 ♦BXS-4 TREATED POLE STORAGE AREA BNSF RAILWAY STILLAGUAMISH HWY.

APPENDIX I-3

Areas of Concern

Former J.H. Baxter Wood Treating Facility Arlington, Washington

LEGEND

- **Existing Monitoring Well**
- Existing LNAPL Recovery Well
- Extration Well and Vault Identifying
 - Layout of Groundwater Recirculation
- Approximate Operational Area Boundary Based on Current and Former Use
- Approximate Baxter Property Boundary
- Trainage Ditch
- Areas with Soils Above Proposed Cleanup Levels
- Approximate Area of Residual LNAPL
- Approximate Extent of PCP Plume in Groundwater

ABBREVIATIONS:
COCs = Constituents of Concern
PCP = PentaChlorophenol
LNAPL = Light Nonaqueous-Phase Liquid

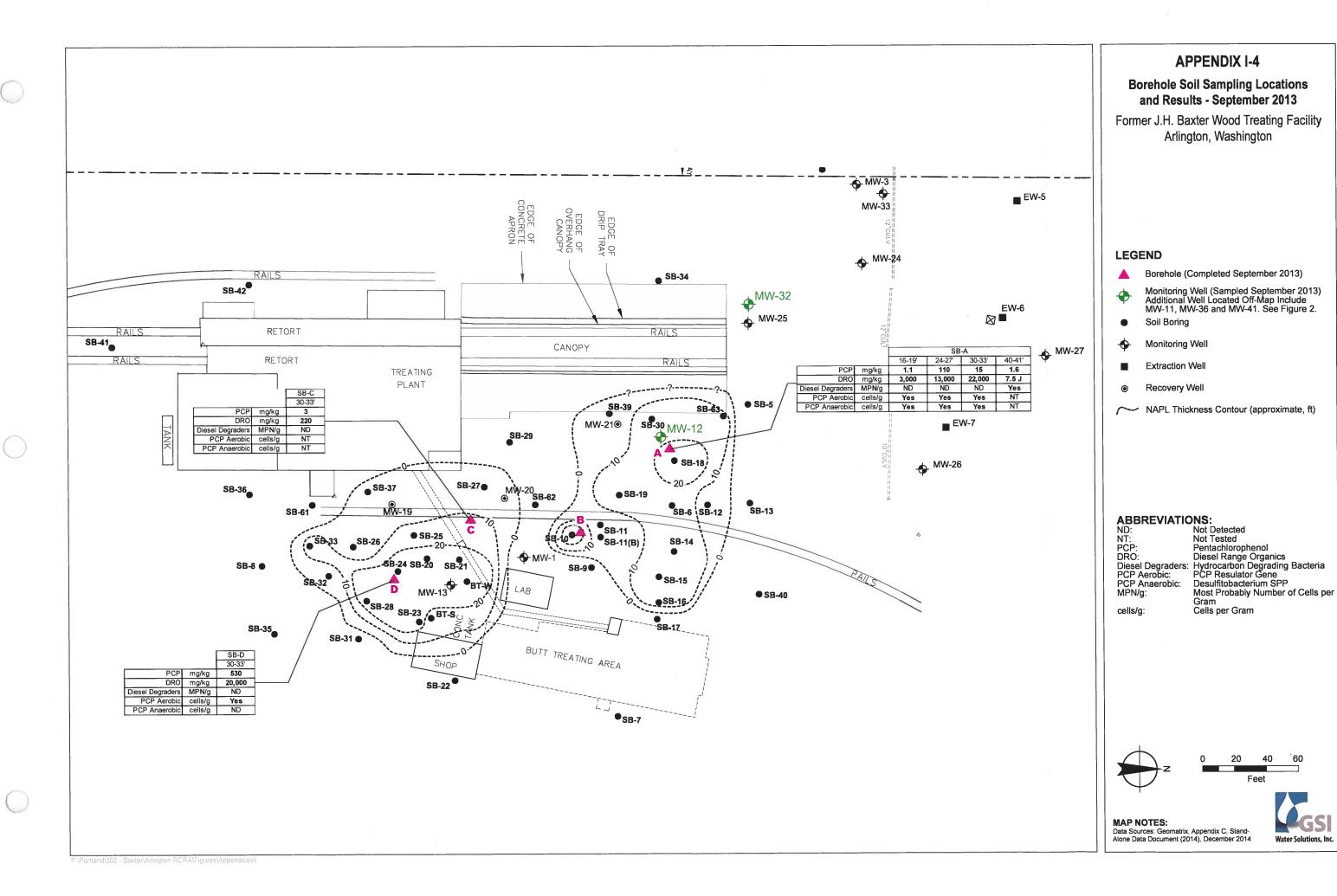
NOTE:Soils above proposed cleanup levels include surface and subsurface soils.

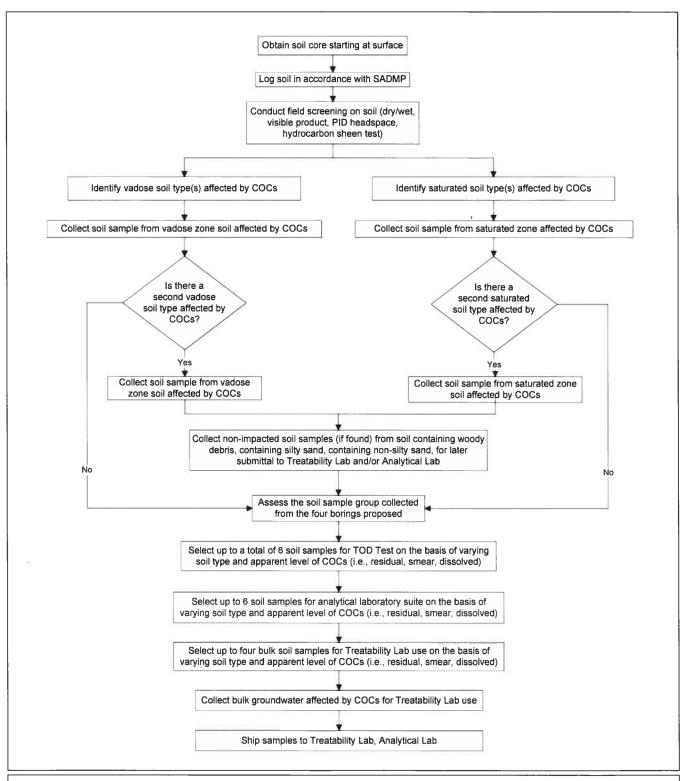




MAP NOTES: Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014







APPENDIX I-5

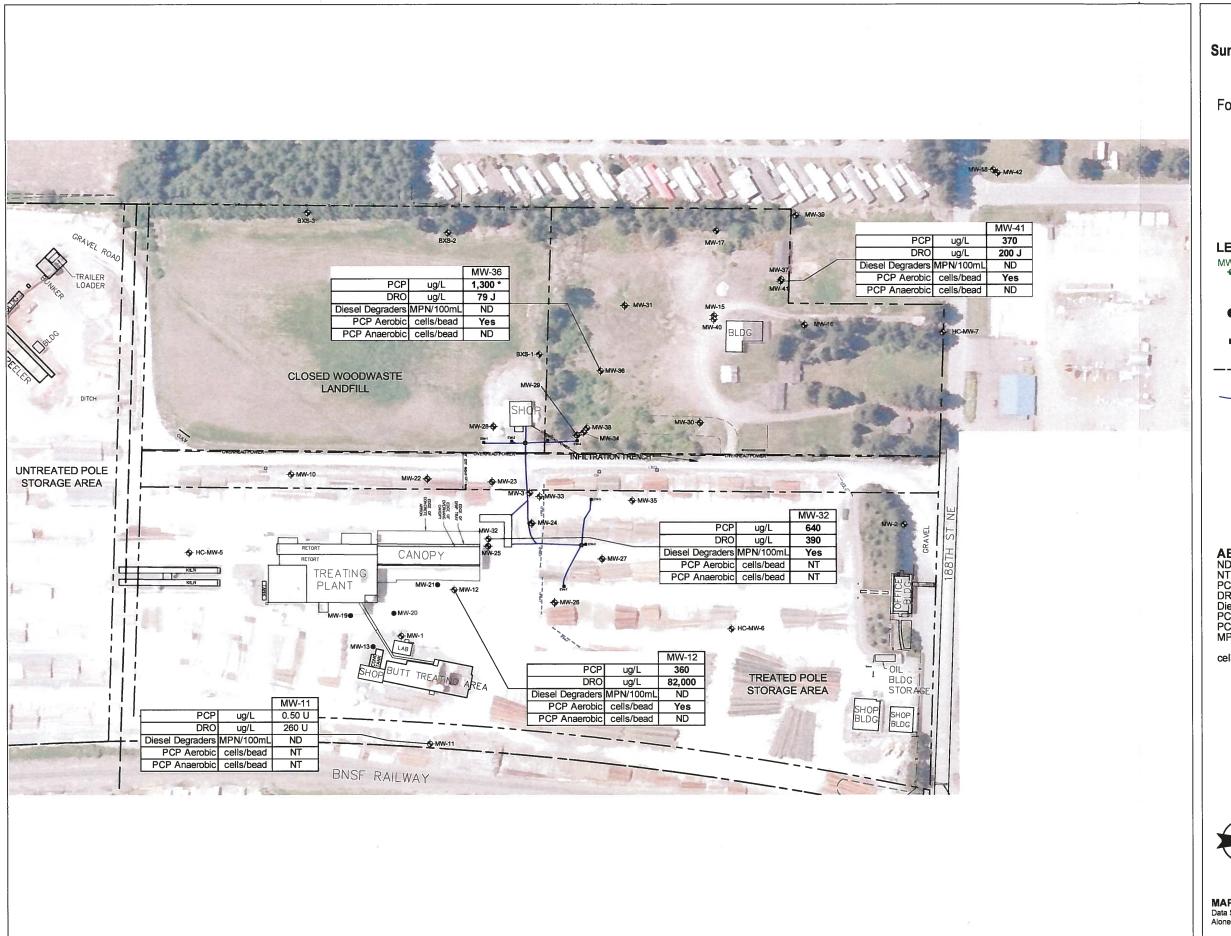
Soil Sampling Guide

Former J.H. Baxter Wood Treating Facility
Arlington, Washington



Data Sources Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014





P \Portland\302 - Baxter\Arlington RCRA\Figures\Appendices\I

APPENDIX I-6

Summary of Groundwater PCP, DRO and **Biological Monitoring Results** September/December 2013

Former J.H. Baxter Wood Treating Facility Arlington, Washington

LEGEND

- Monitoring Well (Sampled September 2013 for PCP, DRO and Hydrocarbon Degrading Bacteria) (Sampled December 2013 for PCP Degradation Genetic Markers)
- Extraction Well
- Recovery Well
- Approximate Site Boundary
- Layout of Groundwater Recirculation Piping

ABBREVIATIONS:

ND: Not Detected

NT: Not Tested

PCP: Pentachlorophenol

DRO: Diesel Range Organics

Diesel Degraders: Hydrocarbon Degrading Bacteria

PCP Aerobic: PCP Resulator Gene

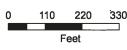
PCP Anaerobic: Desulfitobacterium SPP

MPN/g: Most Probably Number of Cells per

Gram

Gram Cells per Gram



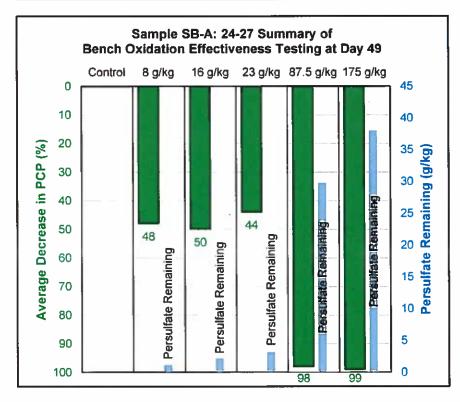


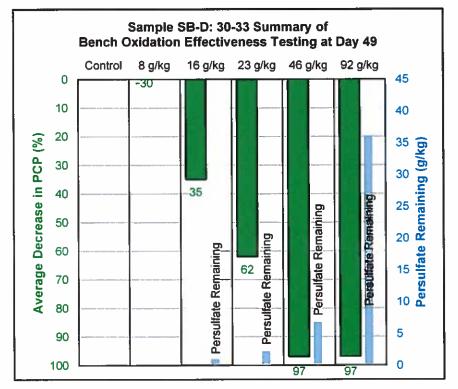
MAP NOTES: Data Sources: Geomatrix, Appendix C, Stand-Alone Data Document (2014), December 2014



Sample SB	-A: 24-27	
Persulfate Dose	Average % Decrease in PCP	Persulfate Remaining (g/kg)
Control	0	0
8 g/kg	48	1.2
16 g/kg	50	2.2
23 g/kg	44	3.2
87.5 g/kg	98	29.9
175 g/kg	99	38.1

Persulfate Dose	Average % Decrease in PCP	Persulfate Remaining (g/kg)
Control	0	0
8 g/kg	-30	0
16 g/kg	35	1
23 g/kg	62	2.2
46 g/kg	97	6.8
92 g/kg	97	36.1





APPENDIX I-7

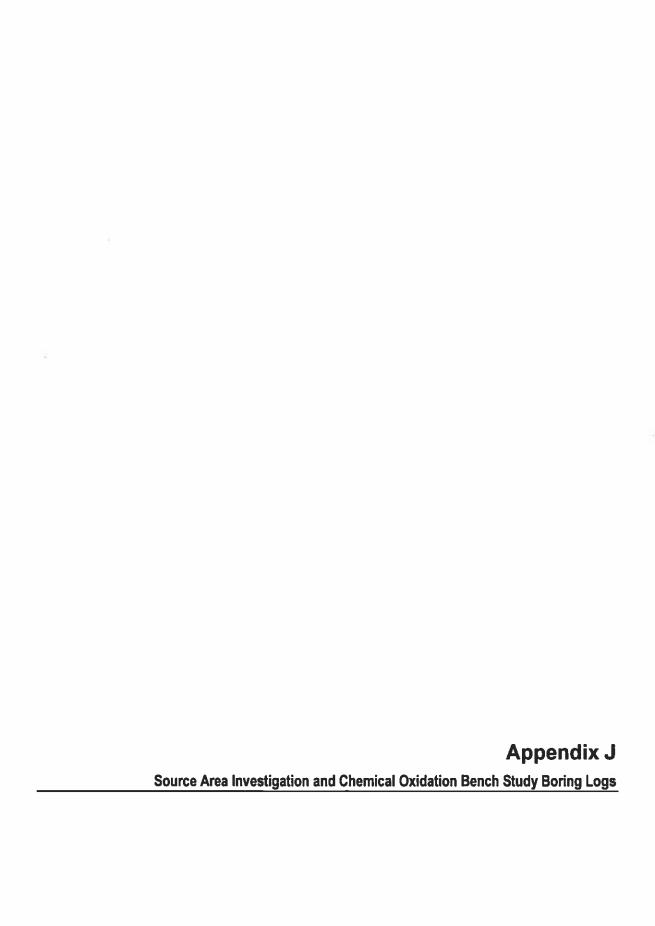
Pentachlorophenol Oxidized vs Persulfate Used at Day 49

Former J.H. Baxter Wood Treating Facility
Arlington, Washington

NOTES:
% = percent.
g/Kg = gram per kilogram.
PCP = pentachlorophenol

MAP NOTES: Data Sources Geomatrix, Appendix C. Stand-Alone Data Document (2014), December 2014





BORING LOCATION: DRILLING CONTRACTOR: Cascade Drilling, Inc. DRILLING METHOD: Sonic drilling DRILLING METHOD: Sonic drilling DRILLING EQUIPMENT: Prosonic, Spider Track Mounted Limited Access Rig DRILLING EQUIPMENT: Prosonic, Spider Track Mounted Limited Access Rig DRILLING METHOD: 5-foot-continuous-core system [5' x 4" OD] NAMPLING METHOD: 5-foot-continuous-core system [5' x 4" OD] NAME (USCS): color, moist, % by wt., plast, density, structure, commentation, react, which; geo. inter. Surface Elevation: AGGREGATE BASE (GP): Light grayteh brown, moist, gravel with sand and silt (roadbase Fill.) (no odor) NAME (USCS): color, moist, % by wt., plast, density, structure, commentation, react, which; geo. inter. Surface Elevation: AGGREGATE BASE (GP): Light grayteh brown, moist, gravel with sand and silt (roadbase Fill.) (no odor) DEBRIS, 5% fine sand (faint odor) NO sheen To sheen NO sheen				J.H. Baxt n, Washii		Log of	Bor	ing No.	SB-A		
DRILLING CONTRACTOR: Cascade Drilling, Inc. 107011 DRILLING METHOD: Sonic drilling TOTAL DEPTH (It.): MEASURING POINT 45.0 DRILLING EQUIPMENT: Prosonic, Spider Track Mounted Limited Access Rig DEPTH TO WATER (It.): SAMPLING METHOD: 5-foot-continuous-core system [5 x 4° DD] NAME WEIGHT: NA DROP: NA DROP: NA DROP: NA DESCRIPTION Steve Barnett, LG Steve Barnett, LG Total Depth (It.): MEASURING POINT 45.0 DEPTH TO WATER (It.): PRESPONSIBLE PROFESSIONAL: REG REMARKS RE	BORING I					ELEVATION AND DA	TUM:				
DRILLING EQUIPMENT: Prosonic, Spider Track Mounted Limited Access Rig DEPTH TO WATER (ft.) FIRST COMPINED COMPI	DRILLING	CON	TRAC	TOR: Caso	ade Drilling, Inc.	9/20/13		1	SHED:		
DRILLING EQUIPMENT: Prosonic, Spider Track Mounted Limited Access Rig SAMPLING METHOD: 5-foot-continuous-core system [5' x 4" OD] Nathan Modey HAMMER WEIGHT: NA DROP: NA RESPONSIBLE PROFESSIONAL: REG SEE Barnett, LG NAME (USCS): color, moist, % by w., lipst densily, structure, comentation, read, which ges with past densily, structure, surface Elevation: AGGREGATE BASE (GP): Light graysh brown, moist, gravel with AGGREGATE BASE (GP): Light graysh brown, moist, gravel with Sand and silt (roadbase FILL) (no odor) WOOD DEBRIS: Dark brown to black, moist, 95% WOOD DEBRIS, 5% line sand (faint odor) 10 11 10 11 10 11 10 11 10 11	DRILLING	METI	HQD:	Sonic o	drilling			MEASURI	NG POINT:		
HAMMER WEIGHT: NA DROP: NA RESPONSIBLE PROFESSIONAL: REG SAMPLES SUBJECTION AGGREGATE BASE (GP): Light grayish brown, moist, gravel with sand and silt (roadbase FILL) (no odor) DEBRIS, 5% fine sand (faint odor) 10 SET OF SAMPLES Sheen Testing Result No sheen	DRILLING	EQU	IPMEN	IT: Proson	ic, Spider Track Mounted Limited Access Rig	DEPTH TO WATER (f	t.)	1	COMPL.		
HAMMER WEIGHT: NA DROP: NA RESPONSIBLE PROFESSIONAL: REG SAMPLES SAMPLES SAMPLES SEE Barnett, LG NAME (USCS): color, moist, % by W., plast, density, structure, cemeriation, read, which, geo, inter. Surface Elevation: AGGREGATE BASE (GP): Light graysh brown, moist, gravel with sand and silt (roadbase FILL) (no odor) Bagged Samples Sheen Testing Result (roadbase FILL) (no odor) NAME (USCS): color, moist, which plast, density, structure, cemeriation, read, which, geo, inter. Surface Elevation: AGGREGATE BASE (GP): Light graysh brown, moist, gravel with sand and silt (roadbase FILL) (no odor) Bagged Samples Sheen Testing Result no sheen To	SAMPLIN	G ME	THOD:	5-foot-cor	ntinuous-core system [5' x 4" OD]	1 ' ' '					
ESAMPLES Page 1	HAMMER	WEIG	SHT:	NA	DROP: NA	RESPONSIBLE PRO	FESSI	ONAL:	REG. No.		
AGGREGATE BASE (GP): Light grayish brown, moist, gravel with sand and slit (roadbase FILL) (no odor) 0.5 0.5 0.6 0.7 0.7 0.8 0.9 10		-	_	<u>o</u>					<u>'</u>		
AGGREGATE BASE (GP): Light grayish brown, moist, gravel with sand and slit (roadbase FILL) (no odor) 0.5 0.5 0.4 0.4 0.5 WOOD DEBRIS: Dark brown to black, moist, 95% WOOD DEBRIS, 5% fine sand (faint odor) 10 11 12 0.0 11 12 0.1 POORLY-GRADED GRAVEL (GP): Gray, rounded cobble fragments 10 11 12 POORLY-GRADED SAND with 15% rounded gravel, and 5% fine sand modular theen with product droplets 110 12 13 14 15 16 17 26 18 27 18 18 18 18 18 18 18 18 18 1	(feet)	S E	lows/	OVM EADIN (ppm)	NAME (USCS): color, moist, % by wt., plast. de cementation, react. w/HCl, geo. interest.	ensity, structure, er.		R	MARKS		
sand and silt (roadbase FILL) (no odor) Sheen Testing Resul no sheen No sheen No sheen No sheen Sheen Testing Resul no sheen	S	S S	8"	ř.							
WOOD DEBRIS: Dark brown to black, moist, 95% WOOD DEBRIS, 5% fine sand (faint odor) 10	2-			0.5	sand and silt (roadbase FILL) (no odor)	n, moist, gravei with		Sheen Tes			
WOOD DEBRIS: Dark brown to black, moist, 95% WOOD DEBRIS, 5% fine sand (faint odor) 10	-			0.4							
2.1 rock fragment 10 1 2 3 4 4 5 6 15.6 rock fragment 2.1 no sheen 10 1 2 4 5 6 15.6 rock fragment 10 1 no sheen	7-			5.2		95% WOOD					
11 - dg 12 13 14 15 16 17 18 4 15 18 4 15 18 4 15 18 19 10.1 1	9-			2.1	rock fragment			no sheen			
15- 16- 17- 18- 18- 18- 18- 18- 18- 18- 18- 18- 18	11 - d			0.0			-	no sheen			
fragments POORLY-GRADED SAND with GRAVEL (SP): Gray, moist, 80% medium to coarse SAND with 15% rounded gravel, and 5% fine sand (odor) 17 - 9	-			0.1				no sheen			
18 - 6 15.6	16-			10.1	fragments POORLY-GRADED SAND with GRAVEL (SP): medium to coarse SAND with 15% rounded gra	: Gray, moist, 80%					
POORLY-GRADED SAND (SP): Light brown, moist, 85% fine to	18 - 8	_		15.6				slight shee	π		
medium SAND with 10% coarse sand and 5% gravel (slight odor)					medium SAND with 10% coarse sand and 5%	gravel (slight odor)	_				

PROJECT: Former J.H. Baxter Arlington, Washington

Log of Boring No. SB-A (cont'd)

	_	PLE	S	ପ୍ର _			***
Sample g	No.	Sample	Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REI	MARKS
-				5.6	WOOD DEBRIS: Dark brown to black, moist, 95% WOOD DEBRIS, 5% fine sand (faint odor)	abundant sh product drop	
21-					Gray, silty, fine SAND lense		
22-				1.8	POORLY-GRADED SAND with GRAVEL (SP): Gray, moist, 75% medium to coarse SAND with 15% rounded gravel, 5% fine sand, and 5% wood debris (odor and staining)	no sheen	
24	V.				POORLY-GRADED SAND (SP): Grayish brown, moist, 90% fine to medium SAND with 5% coarse sand and 5% gravel (odor and		
24 - 27				15.8	staining)	abundant sh product drop	
26 - 89		ı		16.0		abundant sh	
27-						product drop	NG CO
28 -							
29				19.0	POORLY-GRADED SAND with SILT (SP-SM): Light brown, moist, 85% fine SAND with 10% silt and 5% gravel (odor and staining)	abundant sh	
-	ĺ			22.8	becomes wet	-	
31 - EE - OE - W-85		ı		22.0		free product	visible
33				16.1	residual free product visible in core bag at 33 ft	free product	visible
34 -						-	
36				0.1		slight sheen	
37-				15010		no sheen	
88						-	
39				0.5		-	
10- 4-01				gr en		no sheen	
41 - 88				0.3		-	
42 - 43 -						no sheen	
14							
			nec	•		361M125611.0001.3 F	(BOREV (REV. 8/2011

PROJECT: Former J.H. Baxter Arlington, Washington

Log of Boring No. SB-A (cont'd)

SAMPLES	<u>ა</u>	į		
Sample No. Sample Blows/	Foot OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast, density, structure, cementation, react, w/HCl, geo. inter.	REMARKS	i
	0.0		delate	
45			no sheen	
16-		Boring terminated at 45 feet and backfilled with bentonite chips		
17 –			_	
18-				
-				
19-			Name of the state	
60 -			-	
51 -			_	
52			_	
-			-	
53-				
54 –				
55 -			_	
56			_	
57-			_	
-			_	
58			_	
59-				
60-				
61 -			_	
- 62 –				
-				
33 –			_	
34			_	
55			_	
66-			-	
67				
-			-	
8	1		OAKBOREV (F	REV. 8/2011
an	nec [©]	Project N	lo. 361M125611.0001.3 Page 3 c	of 3

PROJE	ROJECT: Former J.H. Baxter Arlington, Washington Log of I					Log of Bo	Boring No. SB-B		
BORING LOCATION:				ELEVATION AND DATUM:					
DRILLING CONTRACTOR: Cascade Drilling, Inc.				DATE STARTED: DATE FINISH 9/20/13 9/20/13			3		
LIKII LING METEUT. Sonic aniina			TOTAL DEPTH (fL): MEASURING POINT 40.0			URING POINT:			
DRILLI	NG E	וטב	PMEN	NT: Proson	Ic, Spider Track Mounted Limited Access Rig		O WATER (ft.)	FIRST ~ 30 ft	COMPL
SAMPL	ING N	ΛΕΊ	THOD	5-foot-co	ntinuous-core system [5' x 4" OD]	LOGGED Nathan			
HAMMI	HAMMER WEIGHT: NA DROP: NA RESPONSIBLE PROFI				ISIBLE PROFES	SIONAL:	REG. NO. 1051		
DEPTH (feet)	SAMPLES & SAMPLE			OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. do	ensity, struct			REMARKS
	Sample No.	Sample Blows/ Foot OVM READIN		Q EA Q	cementation, react. w/HCl, geo. inter. Surface Elevation:				
1-					AGGREGATE BASE (GP): Light grayish brow sand and silt (roadbase FILL) (no odor)	n, moist, gra	avel with		I Samples Testing Results:
2 - 3				2.1				no she	en
4-				1.6	WOOD DEBRIS: Dark brown to black, moist, DEBRIS, 5% fine sand (faint odor)	95% WOOD)	<u>-</u>	
5-				1.0	POORLY-GRADED SAND (SP): Light grayish fine to medium SAND with 5% silt and 5% gray	el (no odor))/	no shed	en
6- 7-				3.3	POORLY-GRADED SAND (SP): Light grayish gray and gray staining, moist, 60% medium to 30% fine sand and 10% gravel (slight odor)	coarse SAN	ID with	slight s	heen
8- 9-				1.4				- - no she	en
10				6.8	POORLY-GRADED SAND with GRAVEL (SP) with dark gray staining, moist, 65% medium to 25% gravel and 10% fine sand (no odor)	Light gray	ish brown ND with	-	
12-				3.3	25% graver and 10% line Sand (no oddr)			no she	en
13-				2.0				_ _ _ _ no she	en
15- - 16-			-	1.1				_	
17-					- contains rounded cobbles			_ no she	en
18- - 19-	B 18 - 20			0.6				_ _ _ _ no she	on.
20	88							_ 110 3110	
			ате	_0			Deploy No. 2048	1125611 000	0AKBOREV (REV. 8/2011)

PROJECT: Former J.H. Baxter Arlington, Washington

Log of Boring No. SB-B (cont'd)

SAMPLES		REMARKS
Sample Sample Sample Sample OVM COVM COVM	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REWARKS
21 - 22 - 2	POORLY-GRADED SAND (SP): Light brown with gray staining, moist, 80% fine to medium SAND, with 10% coarse sand and 10% gravel (slight odor)	no sheen
24 - 1.		no sheen
25 - 3	no staining visible	slight sheen
27 - 28 - 29 - 2 30 - 2	general grain size decreases to 95% fine to medium SAND with 5% gravel	no sheen
31 - 15	free product visible inside core bag	abundant sheen with product droplets
33 - 16	POORLY-GRADED SAND with SILT (SP-SM): Light brown, wet, 85% fine SAND with 15% silt (odor)	free product visible
35 - 5 36 - 5		slight sheen
38 - 2		no sheen
41 - 42	Boring terminated at 40 feet and backfilled with bentonite chips.	-
43-		
• •		OAKBOREV (REV. 9/201

	- 1			J.H. Bax n, Wash		Log of	Log of Boring No. SB-C			
ORING	LOC	AT	ION:			ELEVATION AND D	ATUM:			
RILLING	G CC	NT	RACT	ron: Cas	cade Drilling, Inc.	DATE STARTED: DATE FINISHED: 9/20/13 9/20/13		NISHED:		
RILLING	G ME	TH	OD:	Sonic	drilling	TOTAL DEPTH (ft.); 40,0		MEASURING POINT:		
RILLING	G EQ	UIF	PMEN	IT: Prosoi	nic, Spider Track Mounted Limited Access Rig	DEPTH TO WATER	(ft.) FIRST - 30 ft	COMPL.		
AMPLIN	NG M	ET	HOD:	5-foot-co	intinuous-core system [5' x 4" OD]	LOGGED BY: Nathan Moxley				
IAMMER	R WE	IG	HT:	NA	DROP: NA	RESPONSIBLE PRO		REG. NO. 1051		
-	SAM			DESCRIPTION			REMARKS			
	No.	Sample	Blows/ Foot	Q F F	Surface Elevation;	ier.				
1-					AGGREGATE BASE (GP): Light grayish brows sand and silt (roadbase FILL) (no odor)	n, moist, gravel with	Bagged S Sheen Te	amples sting Results:		
2-				1,3			no sheen			
4-				5.1	POORLY-GRADED SAND with SILT (SP-SM) fine to medium SAND with 15% silt and 10% g					
5- - 6-		-		5.8	POORLY-GRADED SAND (SP): Light grayish fine to medium SAND with 10% gravel and 5% odor)		no sheen			
7-					oddiy		slight she	en		
9-				3.5			no sheen			
11-					coarse sand content increases					
12-				1.0		Ÿ.	no sheen			
14-				1.7			no sheen			
15 - 16				1.9	POORLY-GRADED SAND (SP): Light brown,	moist. 80% medium	no sheen			
17-					to coarse SAND, with 10% fine sand and 10%					
19-				1.6			no sheen			
20					1					

Log of Boring No. SB-C (cont'd)

SAI	MPL	EC				1
Sample No.		Blows/ C	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		REMARKS
SB-C: 20 - 21			2.3		-	no sheen
3 -				grain size decreases to a fine to medium SAND	-	
			1.4		-	no sheen
5-			3.5	grain size increases to a medium to coarse SAND gravel lense	-	no sheen
7					-	
3-			6.2	gravelly, medium to coarse SAND lense POORLY-GRADED SAND with SILT (SP-SM): Light brown, moise 90% fine SAND, with 10% silt (no odor)	it,	sheen with trace product droplets
-33		69 55	4.0	becomes wet		no sheen
SB-C: 30-3			5.9	lense containing 10% coarse sand and 10% gravel	-	no sheen
3 – 4 –					-	
			3.7		-	no sheen
7-			2.3		-	no sheen
3-					-	
0-			1.4			no sheen
1-			5	Boring terminated at 40 feet and backfilled with bentonite chips.	-	
3						
4	-	_				OAKBOREV (REV. \$20
		ame	0			25611.0001.3 Page 2 of 2

PROJE				J.H. Bax n, Wash		Log of B	oring No.	SB-D	
ORING					-	ELEVATION AND DATE	JM;		
RILLIN	IG C	DN.	TRAC	TOR: Cas	cade Drilling, Inc.	DATE STARTED: 9/20/13	DATE FIN 9/20/13	IISHED:	
RILLIN	IG ME	ΞT	HOD:	Sonic	drilling	TOTAL DEPTH (ft.): 40.0	MEASURING POINT:		
RILLIN	IG EC	וטנ	PMEN	IT: Proso	nic, Spider Track Mounted Limited Access Rig	DEPTH TO WATER (ft.)	FIRST - 30 ft	COMPL.	
AMPL	ING N	ΛEΤ	THOD:	5-foot-co	ontinuous-core system [5' x 4" OD]	LOGGED BY: Nathan Moxley			
AMME	IER WEIGHT: NA DROP: NA RESPONSIBLE PROF Steve Barnett, LG					RESPONSIBLE PROFE Steve Barnett, LG	SSIONAL: REG. NO.		
(feet)	Sample No.			OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. do cementation, react. w/HCl, geo. int	ensity, structure, ter.	F	REMARKS	
ا چ ا	San	Sarr	Blows/ Foot	O A G	Surface Elevation:		-		
1-					AGGREGATE BASE (GP): Light grayish brow sand and silt (roadbase FILL) (no odor)	n, moist, gravel with	Bagged S Sheen Tes	amples sting Results:	
2-				2.4	POORLY-GRADED SAND (SP): Light grayish fine to medium SAND with 5% coarse sand an odor)		no sheen		
4-				1.5	dark brown color		no sheen		
5- - 6-				1.5			no sheen		
7- 8-				2.1			no sheen		
10-	,				POORLY-GRADED SAND with GRAVEL (SP) brown, moist, 60% medium to coarse SAND with 10% fine sand (no odor)				
11-				2.8	POORLY-GRADED SAND (SP): Light grayish fine to medium SAND with 10% gravel (no odo	brown, moist, 90% r)	no sheen		
13-									
14-				1.8			no sheen		
16-				3.1	POORLY-GRADED SAND with GRAVEL (SP) brown, moist, 60% medium to coarse SAND w 10% fine sand (no odor)		no sheen		
18-				3			no sheen		
19~									
20			эте				IM125611.0001,3	OAKBOREV (REV. \$/2011)	

Log of Boring No. SB-D (cont'd)

DELLARIES		Ō	S		SAM	
REMARKS	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	OVM READING (ppm)	Blows/ Foot	Sample	Sample No.	(reet)
st, 90% no sheen	POORLY-GRADED SAND (SP): Light grayish brown, moist, 90% fine to medium SAND with 10% gravel (no odor)	2.8				1-
no sneen						2-
		3.3				3-
no sheen	•			+		5-
no sheen vel and	POORLY-GRADED SAND with GRAVEL (SP): Light grayish brown, moist, 60% medium to coarse SAND with 30% gravel and 10% fine sand (odor and staining)	3.4				6-
slight sheen	(21.4				B - - 9 -
or, moist sheen and product droplets	POORLY-GRADED SAND with SILT (SP-SM): Light brown, moist to wet, 90% fine to medium SAND with 10% silt (strong odor) visible product in soil core from 30 - 34 ft	17.7			30 - 33	0-
heavy sheen and free		17.1			SB-D: 3	2-
-	odor decreases below 34 ft	4.0				4-
slight sheen		4.6 2.7				5- 6-
_ no sheen						7-
-		3.0				8-
no sheen	Boring terminated at 40 feet and backfilled with bentonite chips.	1.7				0-
-						2
-						3-
OAKBOREV (REV						7 ~~

		Ō

				J.H. Bax n, Washi		Log of B	orir	ıg No. S	SB-A
BORIN	G LO	CAT	ION:	···········		ELEVATION AND DATU	JM:		
DRILLI	NG C	ТИС	RAC1	FOR: Caso	ade Drilling, Inc.	DATE STARTED: 9/20/13		DATE FINIS 9/20/13	SHED:
DRILLI	NG MI	ETH	OD:	Sonic (Irilling	TOTAL DEPTH (ft.): MEASURING POINT: 45.0			IG POINT:
DRILLI	NG E	QUIF	PMEN	IT: Prosor	ic, Spider Track Mounted Limited Access Rig				COMPL.
SAMPI	ING N	ΛΕΤ	HOD:	5-foot-co	ntinuous-core system [5' x 4" OD]	LOGGED BY: Nathan Moxley			
НАММ	ER W	EIGI	HT;	NA	DROP: NA	RESPONSIBLE PROFE Steve Barnett, LG	SSIO	NAL:	REG. No.
Εæ	_	/IPL		S S €	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. do		1	RE	MARKS
DEPTH (feet)	Sample No.	Sample	Blows/ Foot	OVM READING (ppm)	cementation, react. w/HCl, geo. in	ter.	-		
	0,	0,			Surface Elevation:	int	++-		
1 2 3				0.5	AGGREGATE BASE (GP): Light grayish brow sand and silt (roadbase FILL) (no odor)	ni, must, gravei witi	- 8	Bagged Sar Sheen Test no sheen	nples ing Results:
5 - 6 -				0.4	WOOD DEBRIS: Dark brown to black, moist,	95% WOOD		no sheen	
7 - 8 - 9 -				5.2	DEBRIS, 5% fine sand (faint odor) — rock fragment			no sheen	
10 - 11 -	SB-A: 10 - 11			2.1				no sheen	
12-				0.0			-	no sheen	
14 - 15 -				0.1	POORLY-GRADED GRAVEL (GP): Gray, rou	ınded cobble		no sheen	
16-	16 - 19			10.1	fragments POORLY-GRADED SAND with GRAVEL (SP) medium to coarse SAND with 15% rounded gr sand (odor)		100	abundant si product dro	
18 - 19 -	SB-A:			15.6	POORLY-GRADED SAND (SP): Light brown, medium SAND with 10% coarse sand and 5%	moist, 85% fine to gravel (slight odor)	-	slight sheel	1

Log of Boring No. SB-A (cont'd)

	SA	MPL	ES	ල	K = 3V. 3XXXXX	
(feet)	Sample No.		Blows/ Foot	OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
21-				5.6	WOOD DEBRIS: Dark brown to black, moist, 95% WOOD DEBRIS, 5% fine sand (faint odor)	abundant sheen with product droplets
-				40	Gray, silty, fine SAND lense	
23-				1,8	POORLY-GRADED SAND with GRAVEL (SP): Gray, moist, 75% medium to coarse SAND with 15% rounded gravel, 5% fine sand, and 5% wood debris (odor and staining)	no sheen
4 -					POORLY-GRADED SAND (SP): Grayish brown, moist, 90% fine to medium SAND with 5% coarse sand and 5% gravel (odor and	1-1
5	4-27			15.8	staining)	abundant sheen with product droplets
6-	SB-A: 24	U		16.0		-
- 27 -	J)					abundant sheen with product droplets
-82						
29 -		3		19.0	POORLY-GRADED SAND with SILT (SP-SM): Light brown, moist,	abundant sheen with
0					85% fine SAND with 10% silt and 5% gravel (odor and staining) becomes wet	product droplets
11-	30 - 33			22.8	Decomes wet	free product visible
32	SB-A: 3					- Product Visible
33-				16.1	residual free product visible in core bag at 33 ft	free product visible
14-						
5		+				slight sheen
6-			0.00	0.1		no sheen
7-						
8						_
9				0.5		
0-	40 - 41					no sheen
11	SB-A.			0.3		
12-						no sheen
13-						
14 -						CAKBOREV (REV. L/2011
44			amed	Ø	Project No. 35	OAKBOREV (REV. 8/2) 1M125611.0001.3 Page 2 of 3

Log of Boring No. SB-A (cont'd)

			REMARKS
Sample No. Sample Blows/ Foot OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		CANANA
5-			no sheen
6-	Boring terminated at 45 feet and backfilled with bentonite chips	_	(6
7-		_	
8-		-	
9-		-	
o-		_	
1-		_	
2-		_	
3-		_	
4-			
5-		-	
6-		_	
7-		_	
-8		-	
9-		-	
0-		-	
2-		_	
3-		-	
4-			
5-		_	
6-			
7-		_	
8			OAKBOREY (REV. M201

PROJE				J.H. Baxte			Log of Bo	oring No	. SB-B
BORIN	IG LO	CAT	ION:			ELEVATI	ON AND DATUM	M:	
DRILLI	NG C	ON1	[RAC	TOR: Casca	ade Drilling, Inc.	DATE STARTED: DATE FINISHED: 9/20/13 9/20/13			
DRILLI	NG M	ETH	IOD:	Sonic di	illing	TOTAL DEPTH (ft.): 40.0		MEASU	RING POINT:
DRILLI	NG E	QUI	PMEN	NT: Prosoni	c, Spider Track Mounted Limited Access Rig	DEPTH T	O WATER (ft.)	FIRST ~ 30 ft	COMPL.
SAMPI	LING I	MET	HOD	5-foot-con	tinuous-core system [5" x 4" OD]	LOGGED Nathan	1.000		<u></u>
HAMM	ER W	EIG	HT:	NA	DROP: NA	RESPON	ISIBLE PROFES	SIONAL	REG. NO. 1051
DEPTH (feet)	SAMPLES O DESCRIPTION		100		REMARKS				
	Sample No.	Sample	Blows/ Foot	R G	Surface Elevation:				
1-					AGGREGATE BASE (GP): Light grayish brow sand and silt (roadbase FILL) (no odor)	n, moist, gra	avel with	Bagged Sheen To	Samples esting Results:
2- - 3-				2.1				no sheer	1
4-				1.6	WOOD DEBRIS: Dark brown to black, moist, DEBRIS, 5% fine sand (faint odor)	95% WOOD)		
5-			-	1.0	POORLY-GRADED SAND (SP): Light grayist fine to medium SAND with 5% silt and 5% gra	vel (no odor)	1	no sheer	1
6 7			!	3.3	POORLY-GRADED SAND (SP): Light grayish gray and gray staining, moist, 60% medium to 30% fine sand and 10% gravel (slight odor)			slight sh	ee n
8-									
9-				1.4				no sheer	1
10- 11-				6.8	POORLY-GRADED SAND with GRAVEL (SP with dark gray staining, moist, 65% medium to 25% gravel and 10% fine sand (no odor)	: Light gray	ish brown ND with	no sheer	ı
12~ -								_	
13-								12	
14-				2.0				no sheer	1
15- - 16-				1,1					
17-				1,1	contains rounded cobbles			no sheer	1
- 18- -	-20							_	
19-	SB-B: 18-		,	0.6				no sheer	1
20-				•					OAKBOREV (REV. 8/2011)
		ě	эте	ومع			Project No. 361N	и125611.0001.	3 Page 1 of 2

Log of Boring No. SB-B (cont'd)

SAMPLES	S o		
Sample No. Sample Riows!	Foot OVM READING (Ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
21-		POORLY-GRADED SAND (SP): Light brown with gray staining, moist, 80% fine to medium SAND, with 10% coarse sand and 10% gravel (slight odor)	
22-	2.4		no sheen
23-			_
24 -	1.2		no sheen
25- - 26-	3.0	no staining visible	
27-	3.0		slight sheen
28-		general grain size decreases to 95% fine to medium SAND with 5%	
29-	2.6	† gravel	no sheen
31 -	15.9	free product visible inside core bag	-
32-	13.5		abundant sheen with product droplets
33-	15.4	POORLY-GRADED SAND with SILT (SP-SM): Light brown, wet, 85% fine SAND with 15% silt (odor)	free product visible
35-		COM THE OPTION WITH TO 70 BILL (COOL)	-
36-	5.5		slight sheen
17			_
38-			-
39-	2.8		no sheen
10 - 11		Boring terminated at 40 feet and backfilled with bentonite chips.	
42 _			
43 -			_
44			DAKBOREV (REV. B201

PROJEC				J.H. Bax n, Wash		Log of E	3or	ing No.	SB-C
BORING	S LOC	A	TION:			ELEVATION AND DAT	UM:		
ORILLIN		_			cade Drilling, Inc.	DATE STARTED: 9/20/13 TOTAL DEPTH (ft.):		DATE FINI 9/20/13 MEASURIN	
			100		*	40.0		FIRST	COMPL
DRILLIN	IG E	וטג	IPMEN	IT: Prosoi	nic, Spider Track Mounted Limited Access Rig	DEPTH TO WATER (ft.))	~ 30 ft	
SAMPLI	ING A	/E	THOD	5-foot-co	ontinuous-core system [5* x 4* OD]	Nathan Moxley		<u> </u>	
IAMME	R W	EIG	HT:	NA	DROP: NA	RESPONSIBLE PROF	FESSIONAL: REG. NO. 1051		
_								Dr	
(feet)	Sample No.	Sample	Blows/ Foot	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter. Surface Elevation:				R	EMARKS
	Sar	Sar	85	AH)	Surface Elevation:				
1-					AGGREGATE BASE (GP): Light grayish brow sand and silt (roadbase FILL) (no odor)	n, moist, gravel with	-	Bagged Sa Sheen Test	mples ing Results:
2-				1.3			-		
-				X79			-	no sheen	
3-					BOOK A CRASED SAME THE STATE OF THE	B	-		
4-					POORLY-GRADED SAND with SILT (SP-SM): fine to medium SAND with 15% silt and 10% gr				
+				5.1			-	no sheen	
5-		Ħ	1		POORLY-GRADED SAND (SP): Light grayish		-	no sneen	
6-				5.8	fine to medium SAND with 10% gravel and 5% odor)	coarse sand (no	_		
-					535.7		-	slight shee	n
7-							-		
8-									¥
-				3.5			-	no sheen	
9							_		
10-			-				-		
-					coarse sand content increases		-		
11-							_		
12-				1.0			_	no obser	
45							-	no sheen	
13-							_		
14-				1.7			-	no sheen	
4.5							-	THE SHEETH	
15-							_		
16-				1.9	POORLY-GRADED SAND (SP): Light brown,	moist 80% medium		no sheen	
17					to coarse SAND, with 10% fine sand and 10%		-	IIO SILECII	
17-							_		
18-							-		
40				4.0					
19-				1.6				no sheen	
20		Ш							AKBOREV (REV. 8/2011)
			ame	•		Project No. 36	1M1	25611.0001.3	. //1

Log of Boring No. SB-C (cont'd)

SAMI		_ g _	PERSONAL	REMARKS
Sample No.	Sample Blows/	Foot OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	KEWAKKS
SB-C: 20-21		2.3	grain size decreases to a fine to medium SAND	no sheen
3 - - 1 - -		1.4	•	no sheen
5-		3.5	grain size increases to a medium to coarse SAND	-
7-			gravel lense	no sheen
		6.2	gravelly, medium to coarse SAND lense POORLY-GRADED SAND with SILT (SP-SM): Light brown, mois 90% fine SAND, with 10% silt (no odor)	sheen with trace product droplets
0-33		4.0	becomes wet lense containing 10% coarse sand and 10% gravel	no sheen
SB-C: 30		5.9		no sheen
		3.7		no sheen
		2.3	(c)	no sheen
				-
		1.4		no sheen
2-			Boring terminated at 40 feet and backfilled with bentonite chips.	-
				-
				GAKBOREV (REV. 8/20

PROJECT: Former J.H. Baxter Arlington, Washington						Log of Boring No. SB-D		
BORING LOCATION:						ELEVATION AND DATUM:		
DRILLING CONTRACTOR: Cascade Drilling, Inc.						DATE STARTED: DATE FINISHED: 9/20/13 9/20/13		
DRILLING METHOD: Sonic drilling						TOTAL DEPTH (ft.): MEASURING POINT: 40.0		
DRILLING EQUIPMENT: Prosonic, Spider Track Mounted Limited Access Rig					nic, Spider Track Mounted Limited Access Rig	DEPTH TO WATER (ft.	FIRST ~ 30 ft	COMPL
AMPLI	NG N	ΛΕΊ	THOD	5-foot-co	ontinuous-core system [5' x 4" OD]	LOGGED BY: Nathan Moxley		
HAMMER WEIGHT: NA DROP: NA					DROP: NA	RESPONSIBLE PROFESSIONAL: RÉG. NO Steve Barnett, LG 1051		REG. NO. 1051
(feet)		Samble No. Sample Blows/ COVM OVM		OVM READING (ppm)	DESCRIPTION NAME (USCS): color, moisl, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.		F	REMARKS
35	Z Z			0 /J	Surface Elevation:			
1-					AGGREGATE BASE (GP): Light grayish brow sand and silt (roadbase FILL) (no odor)	n, moist, gravel with	Bagged S Sheen Te	amples sting Results:
2-				2.4	POORLY-GRADED SAND (SP): Light grayish fine to medium SAND with 5% coarse sand an odor)		no sheen	
4-				1.5	dark brown color		no sheen	
5-								
7-		•		1.5			no sheen	
8-				2.1			no sheen	
9-					POORLY-GRADED SAND with GRAVEL (SP)	. Light groudeh		
10-					brown, moist, 60% medium to coarse SAND w 10% fine sand (no odor)	rith 30% gravel and		
11-				2.8	POORLY-GRADED SAND (SP): Light grayish fine to medium SAND with 10% gravel (no odd		no sheen	
12-							-	
13-							-	
14-				1.8			no sheen	
15-		-	-				_	
16-		brown, moist, 60% medium to coarse			POORLY-GRADED SAND with GRAVEL (SP) brown, moist, 60% medium to coarse SAND w		no sheen	
17-					10% fine sand (no odor)			
18-				3			no sheen	
19							_	
20								OAKBOREV (REV. \$/2011
			ате	ره		Project No. 3	61M125611.0001.3	Page 1 of 2

Log of Boring No. SB-D (cont'd)

SAMPLES o		
Sample No. Sample Sample No. Sample Diows/ Sample Cook Cook Cook Cook Cook Cook Cook Coo	DESCRIPTION NAME (USCS): color, moist, % by wt., plast. density, structure, cementation, react. w/HCl, geo. inter.	REMARKS
11 – 2.8	POORLY-GRADED SAND (SP): Light grayish brown, moist, 90% fine to medium SAND with 10% gravel (no odor)	no sheen
3		
3.3		no sheen
3.4	POORLY-GRADED SAND with GRAVEL (SP): Light grayish brown, moist, 60% medium to coarse SAND with 30% gravel and 10% fine sand (odor and staining)	no sheen
21.4		slight sheen
17.7	POORLY-GRADED SAND with SILT (SP-SM): Light brown, moist to wet, 90% fine to medium SAND with 10% silt (strong odor) visible product in soil core from 30 - 34 ft	sheen and product droplets
17.1		heavy sheen and free product
4.6	odor decreases below 34 ft	slight sheen
7-		no sheen
3.0		-
1.7	Boring terminated at 40 feet and backfilled with bentonite chips.	no sheen
33-		
		OAKBOREV (REV. 1/2011